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San Francisco



Fire Department

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Annual Report

1978 - 1979





*Andrew C. Casper*

CHIEF of DEPARTMENT

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1978-81

CITY AND COUNTY OF SAN FRANCISCO  
SAN FRANCISCO FIRE DEPARTMENT



ANDREW C. CASPER  
CHIEF OF DEPARTMENT

EMMETT D. CONDON  
DEPUTY CHIEF OF DEPT

260 GOLDEN GATE AVENUE  
SAN FRANCISCO, CA., 94102  
Phone (415) 861-8000, Ext. 281

September 13, 1979

Honorable President and Members  
of the Fire Commission

Ladies and Gentlemen:

I respectfully submit the Fire Department's Annual Report in accordance with Charter Section 3.501. This report is again submitted with the format introduced last fiscal year to factually present the on-going work programs of the department.

There has been an increased workload this past fiscal year with total alarms up 13% from 33,078 to 37,443. "First Responder" resuscitation calls again showed the most dramatic increase, rising 43%. Building fires rose slightly more than 11%, and major alarm fires increased 25%.


Arson, the Part One crime that has increased by astronomical percentages across the nation in recent years, was slowed last fiscal year in San Francisco and finally, has decreased almost 4%, the first reduction in modern history. This was directly related to the outstanding efforts of the Arson Task Force, comprised of members of the Fire Department, the Police Department and the District Attorney's office who have worked so diligently around the clock to contain this deadly crime. The Arson Task Force has been supported by private sector groups such as the insurance industry, that has lent professional expertise and financial aid; and the local news media that has afforded the citizens of San Francisco the public awareness necessary to help in this never-ending fight. Unfortunately, arson in San Francisco this past year caused the fatal injury of one San Francisco firefighter and took the lives of six citizens.

I would like to express my sincere appreciation to the Fire Commission for their cooperation and support in the budgetary and executive decisions that were necessitated by fiscal restraints imposed by Proposition 13.

I would also like to extend my thanks to the private citizens, private sector groups and organizations, and the news media that have volunteered their time and expertise to work on special life and fire safety projects to better serve the people of San Francisco.

Respectfully submitted,

Andrew C. Casper  
Chief of Department



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GEORGE R. MOSCONE  
(Deceased 11/27/78)

DIANNE FEINSTEIN  
MAYOR

FIRE COMMISSION

John P. Figone Jr. - President, Fire Commission (Resigned 11/21/78)  
Joyce J. Ream - Vice-President, Fire Commission (Resigned 01/15/79)  
Agnes Barnhill - Fire Commissioner  
Juanita Del Carlo - Fire Commissioner (President, 02/07/79)  
Curtis Mc Clain - Fire Commissioner (Vice-President 02/07/79)  
Henry Berman - Fire Commissioner (Appointed 12/06/78)  
Robert Nicco - Fire Commissioner (Appointed 01/29/79)

Raymond G. Connors - Secretary to Fire Commission Room 204

SAN FRANCISCO FIRE DEPARTMENT  
Headquarters

260 Golden Gate Avenue  
San Francisco, California, 94102

Chief of Department Room 225  
Andrew C. Casper

Deputy Chief of Department Room 225  
Emmet D. Condon

Bureau of Administration Room 225  
Ray A. Landi - Secretary to Chief of Department

Division of Fire Prevention and Investigation Room 327  
William J. Graham - Fire Marshal

Division of Planning and Research Room 210  
Robert Rose - Division Chief

Division of Public Education and Internal Control Room 312  
John Sherratt - Division Chief

Bureau of Assignments and Communications - Personnel Center Room 314  
Charles Cresci - Battalion Chief  
Peter Sorensen - Battalion Chief (Appointed 05/28/79)

Bureau of Community Services Room 312  
Earl Gage - Coordinator, Community Services

Bureau of Engineering and Water Supply Room 219  
Eugene Andersen - Superintendent

Fire Department Physician Room 307  
Victor P. Bonfilio, M.D.

Division of Training		2310 Folsom Street
Andrew J. Brandi	- Division Chief	
Division of Airports		S.F. Int'l Airport
Robert Barry	- Division Chief	
Bureau of Equipment		2501-25th Street
Clayton B. Frazee	- Captain	
Communications and Dispatch Center		1003 Turk Street
Eugene G. Calamoneri	- Captain	

#### Fire Department Chaplins

Catholic Chaplin		
Father Daniel Sullivan	-	Sacred Heart Church

Jewish Chaplin		
Rabbi Martin Weiner	-	Temple Sherith Isreal

Protestant Chaplin		
Reverend Roland E. Grumm	-	St. Paulus Lutheran Church

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ADMINISTRATION  
AND  
DIVISION OF PUBLIC EDUCATION  
AND INTERNAL CONTROL



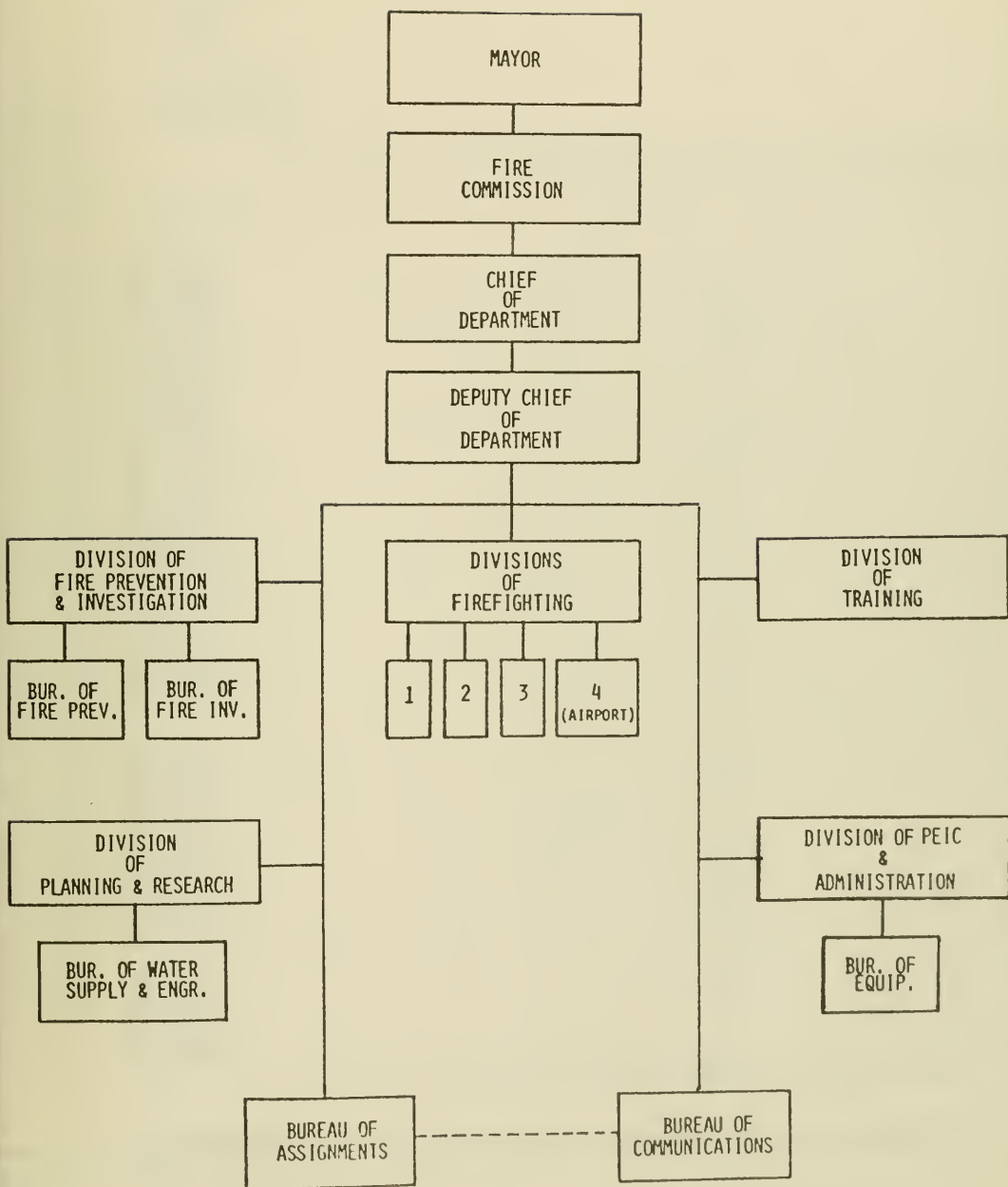


ADMINISTRATION AND  
DIVISION OF PUBLIC EDUCATION - INTERNAL CONTROL

- . Fire Commission manages Fire Department, with day-to-day administrative and fire-fighting operations performed under direction of Chief of Department, through headquarters staff and firefighting personnel.
- . Budget prepared and recommended by Chief of Department and submitted by Fire Fire Commission.
- . Public Education and Information.

5 - 160 Member, Fire Commission	P
1 - 140 Chief of Department	P
1 - 150 Deputy Chief of Department	P
1 - H50 Assistant Chief	P
1 - 155 Secretary to Chief of Dept.	P
1 - H30 Captain	P
2 - H20 Lieutenant	P
1 - H18 Coordinator, Community Svces.	P
1 - H10 Chief's Operator (Supv., Breathing Equipment)	P
1 - 1540 Secretary, Fire Commission	P
1 - 1654 Principal Accountant	P
1 - 1650 Accountant	CETA
1 - 1770 Photographer	P
1 - 1450 Prin. Clerk Stenographer	P
1 - 1446 Sr. Clerk Stenographer	P
2 - 1426 Sr. Clerk Typist	P
1 - 1424 Clerk Typist	CETA
2 - 1202 Personnel Clerk	P
1 - 1222 Sr. Payroll & Personnel Clk.	P
2 - 1220 Payroll Clerk	P
1 - 1220 Payroll Clerk	CETA
1 - 2220 Physician	P
1 - 2708 Custodian	P
1 - 5362 Civilian Engineering Asst. II (New) Vacant	P
1 - 8207 Bldg. & Grounds Patrolman	CETA









SAN FRANCISCO FIRE DEPARTMENT - AUTHORIZED PERSONNEL BUDGET - 1977 / 1978

UNIFORMED PERSONNEL SUPPORT SERVICES	C.D. H-10	D.C. H-150	S.C.D. H-155	A.C. H-50	B.C. H-40	CAPT. H-30	LT. H-20	COORD. H-18	OPR. H-10	F.F. H-2	PILOT H-120	M-ENG. H-110	CAPT. H-32	LT. H-22	LT. H-24	INSP. H-4	INV. H-6	TOTAL
CHIEF OF DEPARTMENT	1								3									4
DEPUTY CHIEF OF DEPARTMENT		1							3									4
BUR. OF ADMINISTRATION			1			1	2											4
BUR. OF ASSIGNMENT					1		2											3
BUR. OF COMMUNICATIONS						1	8			8								17
BUR. OF EQUIPMENT						1				8								9
DIV. OF TRAINING				1		1	2											4
DIV. OF FIRE PREV. & INVEST.				1														1
BUR. OF INVESTIGATION																		1
BUR. OF FIRE PREVENTION													2	3	1	8		9
PORT FIRE MARSHAL																36		41
DIV. OF PLANNING & RESEARCH				1														1
BUR. OF ENG. & WTR. SUP.										7								7
DIV. PUB. ED. & INT. CONTROL				1				1	1									3
TOTAL	1	1	1	4	1	4	14	1	7	23			2	4	1	36	8	108

FIRE FIGHTING SERVICE

DIVISIONS 1, 2, 3, 4

DISTRICTS 1 to 10

[illegible][illegible]



## PERSONNEL

### Employments

The number of authorized employments for the Fire Department totaled 1,687 for the fiscal year 1978-79. The authorized employments are detailed as follows:

#### UNIFORMED FORCE

1 - Chief of Department  
1 - Deputy Chief of Department  
1 - Secretary to Chief of Department  
16 - Division Chief  
43 - Battalion Chief  
84 - Captain  
221 - Lieutenant  
1 - Coordinator Community Services  
57 - Chief's Aide  
1150 - Firefighter  
3 - Pilot, Fireboat  
4 - Marine Engineer, Fireboat  
2 - Captain, Bur. Fire Prevention  
4 - Lieutenant, Bur. Fire Prevention  
37 - Inspector, Bur. Fire Prevention  
1 - Lieutenant, Bur. Fire Invest.  
8 - Investigator, Bur. Fire Invest.

---

1634 - Total - Uniform Force - 96.86%

#### NON-UNIFORMED FORCE Headquarters Office

5 - Member, Fire Commission  
1 - Secretary, Fire Commission  
1 - Physician (Part Time)  
1 - Principal Accountant  
1 - Principal Clerk Stenographer  
1 - Sr. Payroll & Personnel Clk.  
2 - Payroll Clerk  
2 - Sr. Clerk Stenographer  
1 - Clerk Stenographer  
4 - Senior Clerk Typist  
1 - Clerk Typist  
1 - Photographer  
2 - Personnel Clerk  
1 - Custodian  
1 - Civil Engineering Assistant II

---

25 - Total - Headquarters Office

#### Bur. Engineer & Water Supply

1 - Senior Mechanical Engineer  
1 - Water System Supervisor  
1 - Water System Assistant Supervisor  
2 - Chief Stationary Engineer  
9 - Stationary Engineer  
12 - Utility Plumber  
2 - General Laborer

---

28 - Total - Bur. Engineer & Water Supply

53 - Total - Non-Uniform - 3.14%

TOTAL AUTHORIZED EMPLOYMENTS  
July 1, 1978

1,687

Specific assignments of these employments are detailed on the authorized personnel assignment chart.

## FISCAL

### Budget - Personnel Services

Under the provisions of Section 8.405, City Charter, the rates of compensation of the uniformed force of the Department are fixed by ordinance of the Board of Supervisors.

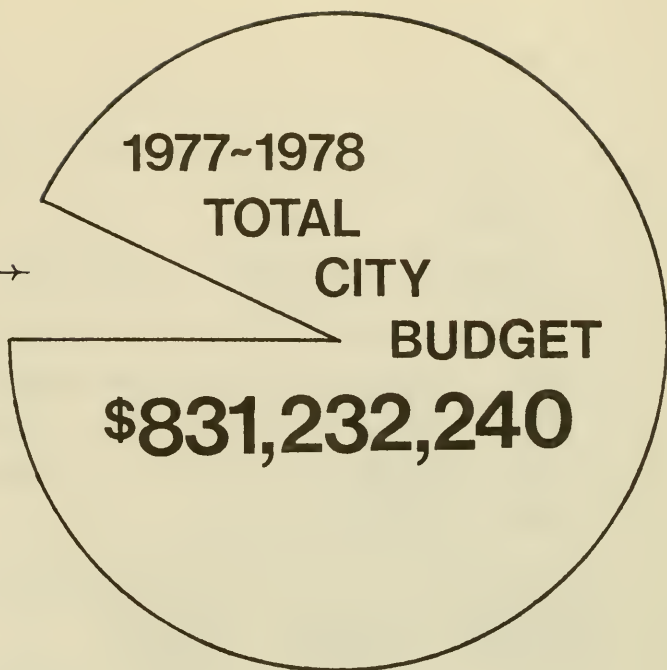
The salary range is based upon survey and certification by the Civil Service Commission of the average paid firefighters and police officers in California cities of 350,000 or more population.

	<u>Personnel</u>		
	<u>1977-1978</u>	<u>1978-1979</u>	<u>Increase (Decrease)</u>
Budget Estimate	\$36,221,924	\$36,148,073	(\$ 73,851)
Budget Expended	\$35,071,417	\$34,359,165 *	(\$712,252)

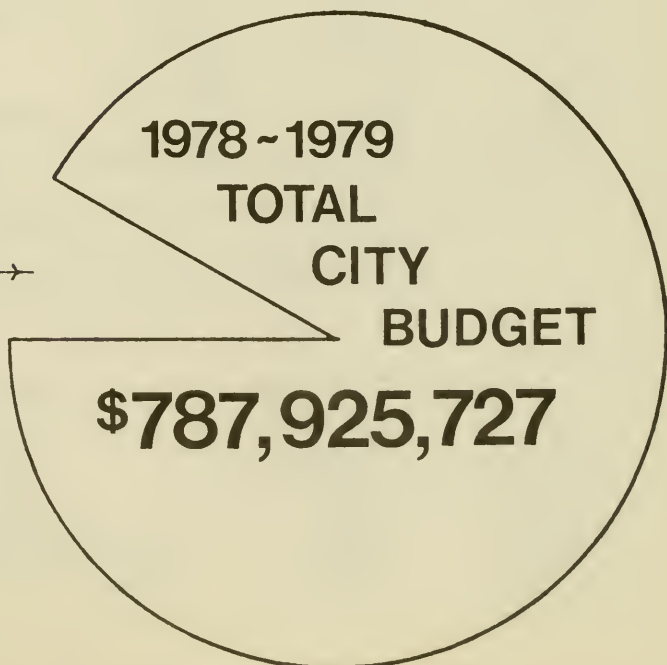
Total personnel costs include permanent salaries and wages, overtime, Holiday, differential pay and temporary salaries.

\* Retro-active pay raise estimated at \$1,916,054 from December 1, 1978 to June 30, 1979 is not included in this total.

1977-1978  
TOTAL  
FIRE DEPARTMENT  
BUDGET  
**\$63,479,952**  
or 7.64%  
of the TOTAL  
CITY BUDGET



1978-1979  
TOTAL  
FIRE DEPARTMENT  
BUDGET  
**\$65,614,130**  
or 8.32%  
of the TOTAL  
CITY BUDGET







## Budget - Data

During fiscal year 1978-1979, budget allowances and expenditures compared to fiscal year 1977-1978 for the Fire Department were as follows:

	<u>1977-78</u>	<u>1978-79</u>	<u>Increase</u>
Budget Allowances	\$63,473,512	\$65,614,130	\$2,140,618
Expenditures	\$60,532,843	\$61,349,705	\$ 816,862

Expenditure categories and percentages are as follows:

Personnel services and related fringe benefits	\$59,841,045	97.5%
Equipment	216,003	.4%
Other Services (Contractual)	369,690	.6%
Material & Supplies	328,162	.5%
Services of Other Departments	501,455	.9%
Others	93,350	.1%
Total	<u>\$61,349,705</u>	<u>100.0%</u>

## Recapitulation of Budget Allowances and Expenditures:

<u>Description</u>	<u>Allowance</u>	<u>Expended</u>	<u>(over)/under Expenditures</u>
Personnel Salary & Wages	\$36,148,073	\$34,359,165 *	\$1,788,908
Fringe Benefits (Expended-Estimated)	27,907,749	25,481,880	2,425,869
Other Services	378,880	369,690	9,190
Other Professional Services	71,765	71,265	500
Materials & Supplies	360,180	328,162	32,018
Equipment	219,800	216,003	3,797
Services of Other Departments:			
Central Shops	495,000	495,000	-0-
Controller-EDP	7,883	6,300	1,583
Reproduction Bureau	1,000	155	845
Meritorious Awards-Fixed Charges	3,500	1,785	1,715
Facilities Maintenance	20,300	20,300	-0-
	<u>\$65,614,130</u>	<u>\$61,349,705</u>	<u>\$4,264,425</u>

\* Note - Federal Revenue Sharing of \$7,300,000 included in total expended for salaries.

\*\* Does not include retroactive pay raise plus related fringe benefits from 12/01/78 to 06/30/79.

## Department Revenues:

Estimated revenues and amounts collected during fiscal year 1978-1979 were as follows:

<u>Account</u>	<u>Description</u>	<u>Estimated</u>	<u>Collected</u>
7166	Posting Fees	\$ 2,100	\$ 1,040
7167	Original Filing Fees	13,000	9,567
7192	Roof & Salvage Covers	6,700	7,216
7216	Miscellaneous Service Charges	23,200	26,685
	Totals	<u>\$ 45,000</u>	<u>\$ 44,508</u>

## S.F.F.D.

SALARY RANGE

<u>Uniformed Force</u>	<u>1977-78</u>	<u>1978-79</u>	
Chief of Department	\$ 1966.90	\$ 2157.23	bi-weekly
Deputy Chief of Department	1654.71	1814.77	"
Division Chief	1343.45	1473.23	"
Secretary to Chief of Department	1302.07	1428.00	"
Battalion Chief	1162.76	1275.23	"
Captain	969.20	1062.92	"
Lieutenant	848.28	930.46	"
Coordinator of Community Services	847.82	930.00	"
Chief's Aide	795.40	872.31	"
Captain, Bureau of Fire Prevention & Public Safety	1095.17	1200.92	"
Lieutenant, Bureau of Fire Prevention & Public Safety	958.62	1051.38	"
Lieutenant, Bureau of Fire Investigation	958.62	1051.38	"
Investigator, Bureau of Fire Investigation	874.94	959.54	"
Inspector, Bureau of Fire Prevention & Public Safety	874.94	959.54	"
Pilot & Marine Engineer, Fireboat	969.20	1062.92	"
Firefighter - 1st year	630.34	691.38	"
Firefighter - 2nd year	704.83	726.00	"
Firefighter - 3rd year	714.02	762.46	"
Firefighter - 4th year	730.11	800.77	"

Non-Uniformed Force

Fire Commissioner	\$ 100.00	Per month
Secretary - Fire Commission	943.00	bi-weekly
Physician - Part Time	1178.13	"
Senior Mechanical Engineer	1249.00	"
Water System Supervisor	12.90	Per hour
Water System Assistant Supervisor	12.30	"
Chief Stationary Engineer	12.5375	"
Stationary Engineer	10.0375	"
Utility Plumber	11.1875	"
General Laborer	7.5625	"
Principal Accountant	854.00	bi-weekly
Senior Payroll and Personnel Clerk	562.00	"
Payroll and Personnel Clerk	512.00	"
Personnel Clerk	489.00	"
Principal Clerk Stenographer	562.00	"
Senior Clerk Stenographer	526.00	"
Senior Clerk Typist	503.00	"
Clerk Typist	458.00	"
Photographer	599.00	"
Custodian	475.00	"
Civil Engineering Assistant II	614.00	"

PROMOTIONS - UNIFORMED FORCE

The following promotions were made among the various uniformed ranks during fiscal year 1978-79:

<u>Rank</u>	<u>Effective Date</u>
<u>Division Chief</u> H-50	
William J. Graham	July 5, 1978
John J. Mullin	January 11, 1979
<u>Battalion Chief</u> H-40	
Richard E. Brietbarth	July 5, 1978
George W. Morris	July 11, 1978
William E. Britt	October 1, 1978
Frank E. Drago	November 5, 1978
Peter Redmond	November 22, 1978
William A. Roberts	January 6, 1979
Ernest H. Hohndorf	January 11, 1979
James M. Anderson, Jr.	January 13, 1979
John E. Voelker	January 13, 1979
Alf J. Arneson	February 11, 1979
Peter M. Sorensen	March 9, 1979
<u>Chief's Aide</u> H-10	
Robert E. Blanchard	August 31, 1978 *
Jimmy A. Keller	October 11, 1978
James T. Healy	November 8, 1978
Paul M. Sheehan	January 31, 1979
Frank Macillus	February 4, 1979
Michael Rogers	February 10, 1979
* Reappointed H-10 after relinquishing H-4 position	
<u>Captain - Fire Prevention</u> H-32    (Limited Tenure Appointment)	
Russell McKlem	November 20, 1978
James B. Mahoney, Jr.	April 4, 1979
<u>Captain</u> H-30	
Richard E. Condon	March 9, 1979
Frederick F. Postel	March 9, 1979
Victor M. Shannon	March 9, 1979
Daniel E. Barden	March 9, 1979
John J. Norton	March 9, 1979
William G. Richardson	March 9, 1979

Captain H-30

John F. Boscacci	March 9, 1979
William H. Crabtree	March 9, 1979
George Politis	March 9, 1979
James R. Lynch	March 9, 1979
Dennis M. Callahan	March 9, 1979
James A. Goodwin	March 9, 1979
Howard L. Slater	March 9, 1979
Gary L. Musante	March 9, 1979
James J. Lang	March 9, 1979
Lino Scrivant	March 9, 1979
William J. Moore	March 9, 1979
David A. Frisella	March 9, 1979
Frank Carrozzi	March 9, 1979
John J. Hickey	March 9, 1979
David F. McCarroll	March 9, 1979
Gregory W. Abell	March 9, 1979
Lynwood R. Dee	March 9, 1979
William E. Ference	March 9, 1979
Louis J. Birleffi	March 9, 1979
Anthony V. DiGiovanni	March 9, 1979
John G. Mandas	March 9, 1979

Lieutenant - Fire Investigation H-24 (Temporary-Civil Service)

John E. Hopkins	April 18, 1979
-----------------	----------------

Lieutenant - Fire Prevention H-22

Thomas T. Nyhan	November 20, 1978
-----------------	-------------------

Lieutenant H-20

William G. Carey	March 9, 1979
Robert L. Rand	March 9, 1979
Harold J. Vogl	March 9, 1979
James R. Cavellini	March 9, 1979
James J. O'Connor	March 9, 1979
Thomas P. Ryan	March 9, 1979
Larry M. Henry	March 9, 1979
Francis G. Loughran	March 9, 1979
Gerald J. White	March 9, 1979
James P. Lyons	March 9, 1979
Douglas L. Goodin	March 9, 1979
Frederick E. Leidecker	March 9, 1979
John Tizio	March 9, 1979
John D. Carroll	March 9, 1979
Harold E. Gamble	March 9, 1979
Timothy F. O'Brien	March 9, 1979

Lieutenant    H-20

John F. Harrington	March 9, 1979
Terry Millard	March 9, 1979
Tilden I. Hansen	March 9, 1979
James D. Holthaus	March 9, 1979
Albert L. Thuesen	March 9, 1979
Michael J. McKinley	March 9, 1979
Donald A. Carlson	March 9, 1979
Phillip R. Kavanaugh	March 9, 1979
Thomas J. Santoro	March 9, 1979
Alberto B. DaCunha	March 9, 1979
Edward N. Gee	March 9, 1979
John B. Strange	March 9, 1979
John M. Traversaro	March 9, 1979
Robert C. Jabs	March 9, 1979
James M. Tracey	March 9, 1979
Elmer M. Ballard	March 9, 1979
George W. Maloney	March 9, 1979
Jerry E. Hansen	March 9, 1979
Gerald C. Fennell, Jr.	March 9, 1979
Ronald E. Trainor	March 9, 1979
Frank Cercos III	March 9, 1979
Richard W. Jonasson	March 9, 1979
Kenneth J. Conroy	March 9, 1979
William T. Utikal, Jr.	March 9, 1979
Richard C. Quinn	March 9, 1979
Gerald J. Kilroy	March 9, 1979
Daniel J. Murphy	March 9, 1979
Michael J. Murray	March 9, 1979
Gary D. Curto	March 9, 1979
Anthony M. Simi	March 9, 1979
James A. Barden	March 9, 1979
Robert T. Serrano	March 9, 1979
Paul D. Jones	March 9, 1979
Frank Scales	March 9, 1979
Kevin J. Gonzalves	March 9, 1979
Wayne D. Mitchell	March 9, 1979
Robert J. Tully	March 9, 1979
Jean F. Lacues	March 9, 1979
William M. Breslin	March 9, 1979
Donald A. Hall	March 9, 1979
James J. Stephens	March 9, 1979
Joseph M. Wright	March 9, 1979
Anthony P. Avalos	March 9, 1979
Mark J. Barbano	March 9, 1979
Milford I. Patssel	March 9, 1979
Robert J. Quattrin	March 9, 1979

Lieutenant H-20

Gary J. Lavaysse	March 9, 1979
Joseph P. Collins	March 9, 1979
John E. Ronan	March 9, 1979
Keith D. Calden	March 9, 1979
James A. Sullivan	March 9, 1979
Dan Dobbins	March 9, 1979
Joseph J. Mazeau	March 9, 1979
Richard H. Kain	March 9, 1979
John M. Payne	March 9, 1979
Paul J. Tabacco	March 9, 1979
Robert G. Boudoures	March 9, 1979
John T. Peeff	March 9, 1979
Kenneth Brodie	March 9, 1979
Anthony Stefani	March 9, 1979
Joseph F. Pierce	March 9, 1979

Investigator - Fire Investigation H-6

Lawrence J. Wright	August 16, 1978
Frank Scales, Jr.	November 20, 1978
Michael J. McKinley	January 3, 1979
Richard F. Kucich	April 2, 1979
George S. Alboff	April 2, 1979
Roger Elbeck	May 23, 1979 *

\* Temporary - Civil Service

Inspector - Fire Prevention H-4

Robert E. Blanchard	August 14, 1978
Robert J. Tully	November 20, 1978
Robert A. Onorato	December 18, 1978 *
William G. Carey	January 4, 1979
Vincent L. Sullivan	May 16, 1979

\* Non-Civil Service appointment

Firefighter H-2

Andrew S. Baron	August 21, 1978
Michael P. Beere	August 21, 1978
George J. Bruce	August 21, 1978
Chris B. Callen	August 21, 1978
Michael L. Castagnola	August 21, 1978
Martin D. Condon	August 21, 1978
Theodore J. Corporandy	August 21, 1978
James B. Edwards	August 21, 1978

Firefighter H-2

William C. Emde	August 21, 1978
Gerald R. Engler	August 21, 1978
Rudolph L. Erler	August 21, 1978
Michael H. Fauss	August 21, 1978
Theodore R. Groger	August 21, 1978
Alphonso Howard	August 21, 1978
Steven W. Kazarian	August 21, 1978
Dennis A. King	August 21, 1978
Joseph L. King	August 21, 1978
Arnold J. Logue	August 21, 1978
Jeffrey J. Malone	August 21, 1978
John Minnick	August 21, 1978
Neil G. Morrison	August 21, 1978
Vincent J. Nolan	August 21, 1978
Robert P. Palu	August 21, 1978
Eric T. Richardson	August 21, 1978
Karl T. Selchau	August 21, 1978
Hugh B. Smith	August 21, 1978
James A. Smyk	August 21, 1978
Richard C. Veal	August 21, 1978
Michael M. Walsh	August 21, 1978
Dudley C. Wood	August 21, 1978
Michael R. Ebert	October 10, 1978
Stephen K. Gritsch	October 10, 1978
Thomas J. Griffin	October 10, 1978
Howard W. Williams	October 10, 1978
Thomas F. McDonagh	October 10, 1978
John A. Murphy	October 10, 1978
James A. Patt	October 10, 1978
Jesse A. Frias	October 10, 1978
Walter T. Posey	October 10, 1978
Lawrence J. Zammarchi	October 10, 1978
Edward D. Schmidt	October 10, 1978
John H. Brown	October 10, 1978
William D. Hogan	October 10, 1978
Gerald M. Zari	October 10, 1978
Eugene A. Baraona	October 10, 1978
James P. Harrington	October 10, 1978
James w. Jenkins	October 10, 1978
Gardner E. Cole	October 10, 1978
Marshall W. Granger	October 10, 1978
Carl J. Champion	October 10, 1978
Richard C. Shortall, Jr.	October 10, 1978
Nathaniel Winston	October 10, 1978
Stephen J. Smith	October 10, 1978
Leslie W. Moy	October 10, 1978
Aaron C. Stevenson	October 10, 1978

Firefighter    H-2

Stephen A. Hart	October 10, 1978
Jerry E. Keohane	October 10, 1978
John J. Forbes III	October 10, 1978
Robert F. Schaadt	October 10, 1978
George E. Ohlson, Jr.	October 10, 1978
Thomas J. Carberry	November 27, 1978
Nicholas J. Gentile	November 27, 1978
James P. Cunnane	November 27, 1978
William L. Lake	November 27, 1978
Patrick K. Simmons	November 27, 1978
Nicholas N. Koltzoff	November 27, 1978
Philip Q. Kiely	November 27, 1978
William A. Rapp	November 27, 1978
Gary P. Massetani	November 27, 1978
John D. Voelker	November 27, 1978
Medrick E. Bullock	November 27, 1978
Donald K. Dryden	November 27, 1978
Gerald J. Coghlan	November 27, 1978
Francis G. Steil	November 27, 1978
Richard J. Busalacchi	November 27, 1978
Richard W. Siebert	November 27, 1978
Dennis J. Tracy	November 27, 1978
Donald M. Figini	November 27, 1978
Frank M. Arbeloa	November 27, 1978
Harry T. Pinkard	November 27, 1978
Jeffrey M. Byrne	November 27, 1978
David E. Long	November 27, 1978
William C. DeLucchi	November 27, 1978
Johnny R. Lo	November 27, 1978
Richard F. Mifsud	November 27, 1978
James A. Romeyn	November 27, 1978
Peter J. Schembri	November 27, 1978
Stephen H. Feiner	November 27, 1978
Thomas J. Collins, Jr.	November 27, 1978
Adolph D. Oliver	November 27, 1978
Raymond A. Capella	January 15, 1979
Brad L. Rey	January 15, 1979
Andrew J. Assereto	January 15, 1979
Glenn G. Mailolini	January 15, 1979
Thomas W. Doudiet	January 15, 1979
James A. Lambrechts	January 15, 1979
Gary E. Dolan	January 15, 1979
Terrance A. Lee	January 15, 1979
James S. Sweeney	January 15, 1979
Mark A. Evanoff	January 15, 1979
Mike W. Bello	January 15, 1979
Terry K. Dailey	January 15, 1979
David Shapona	January 15, 1979



Firefighter H-2

H. B. O'Leary	January 15, 1979
Michael G. Reynolds	January 15, 1979
Dennis J. Petty	January 15, 1979
Douglas A. Dryden	January 15, 1979
Dan F. Dente	January 15, 1979
Charles N. Johnson	January 15, 1979
Melvin Pitre	January 15, 1979
Bradley Dugan	January 15, 1979
Patrick G. Ryan	January 15, 1979
William E. Kneis	January 15, 1979
Jack J. Borodin	January 15, 1979
Michael P. Lawler	January 15, 1979
Jose L. Ramirez	January 15, 1979
Robert M. Ahern	January 15, 1979
Christopher S. Zaczek	January 15, 1979
John M. Hicks	January 15, 1979
Charles F. Mc Mackin	January 15, 1979

TOTAL APPOINTMENTS - UNIFORMED FORCE

Division Chief	(H-50)	-	2
Battalion Chief	(H-40)	-	11
Chief's Aide	(H-10)	-	6
Captain - Fire Prevention	(H-32)	-	2
Captain	(H-30)	-	27
Lieutenant - Fire Investigation	(H-24)	-	1
Lieutenant - Fire Prevention	(H-22)	-	1
Lieutenant	(H-20)	-	77
Investigator	(H- 6)	-	6
Inspector	(H- 4)	-	5
Firefighter	(H- 2)	-	124

NON-UNIFORMED FORCE

7205 - Chief Stationary Engineer

Louis H. M. Aki October 25, 1978

1770 - Photographer

William Owyang August 16, 1978

1446 - Senior Clerk Stenographer

Fiola C. Palacio February 14, 1979

1444 - Clerk Stenographer

Erlinda Blanckensee

March 1, 1979 \*  
May 2, 1979 \*\*

\* Temporary Non-Civil Service  
\*\* Civil Service

1220 - Payroll Clerk

Susan Peirano

January 25, 1979

1202 - Personnel Clerk

Carolyn E. Robinson  
Sadik A. Razak

October 4, 1978  
October 5, 1978

2708 - Custodian

Chester Ransom  
Samuel E. Johnson

July 1, 1978  
August 1, 1978

C.E.T.A. Appointments

9910 - Paralegal Trainee

Maria Elsa Cesena  
Teresa Leon

June 28, 1979  
June 28, 1979

8207 - Building and Grounds Patrolman

Donald Ross

March 29, 1979

1424 - Clerk Typist

Mary Anne Rufo  
Carolyn E. Robinson  
Gil B. Payongayong

September 27, 1978  
October 4, 1978  
March 30, 1979

1404 - Clerk

Edmund Marron  
Eudora Cruz

March 19, 1979  
March 21, 1979

UNIFORMED FORCE - SEPARATIONS FROM SERVICE

Division Chief H-50

Russell J. Morris  
William V. Favilla

12/09/78  
02/27/79

D  
D

Chief's Aide H-10

Paul A. Paulbitski	07/02/78	D
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Captain H-30

James Reid	07/20/78	D
John F. Cotter	07/26/78	S
John Arevalo	08/30/78	S
Thomas J. Ryan	09/17/78	S
James E. McDermott	01/29/79	D

Lieutenant H-20

Joseph Miller	03/04/79	S
Lawrence J. Kelly	04/25/79	S
James A. Schrick	05/13/79	D*

Inspector - Fire Prevention H-4

Angelo Bernardi	03/14/79	S
Edward Healy	03/20/79	S
Richard E. Dixon	04/11/79	S
William R. Siebert	05/01/79	S

Firefighter H-2

James Desmond	07/01/78	D*
Michael Cashman	07/03/78	S
Albert Davis	07/05/78	S
George A. Barry	07/10/78	S
Thomas R. Browne	07/11/78	D**
James Lafayette	07/16/78	D
Michael Moriarty	09/02/78	D
Philip K. Bacon	09/18/78	S
Hubert Conway	10/02/78	S
Thomas R. Martin	10/15/78	R
David Cofresi	10/18/78	R
Charles Grimesey	10/25/78	D
Angelo Meneguzzi	10/30/78	D
Culver Miller	11/16/78	D
Edward Clark	11/29/78	R
William Deely	12/27/78	D
James Gillespie	02/01/79	D
Charles Rosa	02/02/79	D
Herman Howard	02/05/79	S
Robert Cresci	03/05/79	S
Patrick Simmons	03/10/79	D*
Julian Kosinski	05/09/79	D
Dennis White	05/14/79	R

Dennis Hurley	08/08/77	D
(Retirement Board Decision of 04/24/79)		

#### TOTAL UNIFORMED FORCE TERMINATIONS

Retirement (Service)	16
Retirement (Disability)	15
Deaths	3
Dismissed	1
Resigned	4

S - Service    D - Disability    D\* - Deaths    D\*\* - Dismissed    R - Resigned

#### Non-Uniformed Personnel Separations

Linus Koel	07/01/78	S
Albert Chaknova	09/01/78	S
Gordon Peterson	06/20/79	D

#### OFFICE OF EMERGENCY SERVICES

The Emergency Services Fire Coordinator works in cooperation with and under the guidance of the Director of Emergency Services to develop plans and procedures for coordinated inter-agency and inter-jurisdictional fire and rescue response in extra-ordinary emergencies. He also participates in Emergency Planning committee meetings, seminars and workshops. He confers with federal, state and other emergency oriented agencies. He meets with other emergency services personnel of the City and County of San Francisco as necessary to establish and assist in the development and implementation of operations with appropriate emergency services elements.

The Emergency Services Fire Coordinator's functions also include:

1. Assistance to building owners and managers and the public in the development of plans for such extra-ordinary disasters as nuclear attack, major fires and earthquakes.
2. Assistance in the development of emergency plans for major public buildings tailored to the life safety and survival of the occupants in the extra-ordinary emergency situations.
3. Assist and maintain accountability plus inspections of the survival supply stockpile for the City and County of San Francisco, which includes the keeping of files and records of emergency stocks and their locations including radiological instrumentations.

#### Fire Auxiliary Reserve

The Fire Auxiliary Reserve is an organization of dedicated citizens whose services are volunteered to the City and County of San Francisco without remuneration. Its primary purpose is to augment the San Francisco Fire Department in times of natural disaster or hostile military action.

In the event of hostile military action, or of a natural disaster of a long time, the Reserve will be greatly expanded to assist in the safe-guarding of the lives and property of our citizens.

Training exercises are held, under the supervision of a San Francisco Fire Department Lieutenant, weekly throughout the year. The Reserve also receives on-the-job training by observing and assisting at multiple alarm fires.

The present membership of the Fire Auxiliary Reserve will be the nucleus of any required expansion. Membership of the Reserve as of June 30, 1979 was 60.

<u>ACTIVITIES</u>		<u>GREATER ALARMS RESPONDED</u>	
Training Exercises	- 45	Total	- 34
Total Attendance	- 665	Total Attendance	- 206
Man Hours - Training	- 1,819	Man Hours - Worked	- 581.5

#### PHOTO UNIT

1978-1979

The Photo Unit provided services, as in the past, for the following: fire and arson investigation, fire prevention, fire college training, public relations and administration activities.

Firefighting strategy and training activities improved in recent years due to the opportunity for obtaining valuable fire ground photography of situations encountered.

The Photo Unit photographer position, due to Budgetary Restraints, as of June 30, 1979 was left unfunded.

#### San Francisco Fire Department Pioneer Memorial Museum

On April 8th, 1979, the Fire Commission of the City and County of San Francisco, by written resolution officially designated the St. Francis Hook and Ladder Society to act as the historical section of the San Francisco Fire Department. The Society is to act as advisor to the Fire Commission and Chief of Department and will operate the San Francisco Fire Department Pioneer Memorial Museum.

The Society, a non-profit California corporation, is empowered to accept, on behalf of the Fire Commission, gifts made to the museum.

If the gifts are monetary in nature, the Society may expend such gifts for the preservation, restoration or maintenance of apparatus, artifacts and memorabilia in the possession of the Fire Department.

Volunteers provided by the City Guides keep the Pioneer Memorial Museum open at regular hours Thursday through Sunday, from 1300 hour to 1600 hours. Attendance at the museum this past fiscal year was 6,289.

Apparatus from the museum has been used in the St. Patrick's Day Parade and the Columbus Day Parade and at various musters throughout the State of California.

### COMMITTEE REPORTS

#### Fire Department Advisory Board

The San Francisco Fire Department Advisory Board, now in its twenty third year of existence, continues to convey valuable suggestions from members in the field to the Chief of Department. The Department has utilized the Board to assist the Administration in documenting and thoroughly researching each item received.

During the past fiscal year, this Board has reviewed and accepted forty (40) suggestions. Of these: four (4) have been implemented; ten (10) have been forwarded and the remainder are still being researched.

#### Safety Committee

As of January 12, 1978, the Occupational Safety and Health Act Committee became a part of the Safety Committee.

During the 1978-1979 fiscal year, there were 841 Lost Work Day (LWD) injuries and there were 18,128 Lost Work Days for the 841 reported injuries.

A breakdown according to company classification includes the following Lost Work Day Injuries and Lost Work Days:

#### Two Year Comparison 1977-78 & 1978-79

	<u>LWD Injuries</u> <u>1977-78 &amp; 1978-79</u>		<u>Lost Work Days</u> <u>1977-78 &amp; 1978-79</u>	
Engine Companies	439	405	7,723	7,776
Truck Companies	264	260	5,009	5,734
Rescue Companies	21	26	471	705
Airport Companies	38	33	1,007	1,172
All others	112	117	3,550	2,741
	<u>874</u>	<u>841</u>	<u>17,760</u>	<u>18,128</u>

### Radio Committee

The new San Francisco Fire Department Radio System was funded through the 1974 Improvement Bond approved by the voters in November, 1974. The Technical Specifications were completed in June, 1978 and were forwarded to the City Purchaser to be advertised for bid and subsequent award of contract.

The successful bidder was Motorola Incorporated and the signing of a contract was finally achieved in May of 1979.

The system will feature a new Base Radio Station, new Satellite Receiver System, new Vehicular Radio System, new Handie-Talkie System, new Fire Station Radio System and a new Headquarters Radio Monitoring System. The system will operate on 488-491 MHZ. Completion of the system is expected in the third quarter of fiscal year 1979-1980.

### High- Rise Committee

During the fiscal year, 1978-1979, the San Francisco Fire Department conducted forty-seven inspections in High-Rise buildings. Conferences were held with management of these buildings and fire plans were developed.

Four High-Rise fire drills were conducted this fiscal year. Three drills were held at the Bechtel building at 44 Fremont street. Fire was simulated on upper floors and High-Rise firefighting procedures were practiced with San Francisco Fire Department units, building security and engineering personnel participating. One High-Rise fire drill, in conjunction with an evacuation drill, was held at the Trans-America building. The thirty-second, thirty-third and thirty-fourth floors were evacuated with Fire Department units responding and instituting High-Rise fire-fighting procedures.

Building management of the Bechtel building and the Trans-America building should be commended for their interest and cooperation in developing and practicing High-Rise evacuation and firefighting procedures. Building elevators, ventilation systems and communication systems were placed under our control and the training received by San Francisco Fire Department personnel was invaluable.

### B.A.R.T.D. Committee

The Bay Area Rapid Transit District Committee continued to meet with transit officials and the numerous fire departments along the right-of-way.



Pursuing our efforts to have B.A.R.T.D. purchase 4-hour protective breathing apparatus, for use in the underground section of the system, a meeting was held on July 18, 1978 and a demonstration of the Draeger 4-hour mask was conducted on July 20, 1978 for representatives of the San Francisco, Oakland, Berkeley and Orinda Fire Departments. Much correspondence with CAL/OSHA and NIOSH, concerning the acceptability of the 4-hour mask, followed. In October, 1978, the Bio-Marine Company demonstrated a 4-hour mask that was awaiting NIOSH approval.

B.A.R.T.D. agreed to purchase a specified number of the 4-hour masks, contingent on NIOSH approval, and began the initial steps of the bidding process.

On January 17, 1979, the Trans-bay Tube fire that took the life of Oakland Fire Department Lieutenant William Elliott occurred. This brought about a Public Utilities hearing and investigation and the closing of the Trans-bay Tube until a number of conditions were met. Many changes were made in the Tube to increase the safety of the structure and numerous drills and tests were conducted to improve evacuation and response procedures. These drills and tests will be part of an on-going program. The fire also brought about the immediate purchase, by B.A.R.T.D. of 40 Draeger 4-hour masks. Eighteen (18) masks were delivered in very short order and the remainder delivered in May of 1979. Twelve (12) of these masks have been provided for use by our Department.

The committee is also working closely with the new Muni Metro System in attempting to eliminate any of the shortcomings that we have discovered in the B.A.R.T.D. operation.

#### Pollution Control Committee

Copies of the San Francisco Hazardous Materials Spills Emergency Response Plan (Revised 1978) have been printed and distributed to the various Divisions and Battalions of the San Francisco Fire Department.

The Pollution Control unit remains in service (in-reserve status) and is stationed in the quarters of Station 8.

During the past fiscal year, it has responded to thirty-six calls and performed thirty-four hours and fifteen minutes service.

Lines of Communication and coordination have been maintained with the various state and federal agencies involved in Pollution Control.

#### Task Force Center Committee

There are thirty-five Task Force Centers available for use by the San Francisco Fire Department in event of a civil disturbance or a city wide disaster that may disrupt normal fire department operations. Task Force Centers are selected as to their location, lodging, communications and parking facilities.



During the fiscal year, 1978-1979, all Task Force Centers were surveyed, inspected and re-evaluated as to their effectiveness for use by the San Francisco Fire Department.

#### Apparatus Inventory Committee

Apparatus inventory forms issued to all companies are being maintained and up-dated until such time as the information can be entered into our computer. Because of the large backlog of programs being computerized it is expected that this will not occur until sometime in the latter part of fiscal year 1979-1980. Readily accessible computer read-out inventories will render our present forms obsolete.

#### Rulebook Revision Committee

The revised and up-dated version of the Departments' Rules and Regulations are completed for all practical purposes, with only minor changes added to insure that they will retain currency right into the actual date of final printing. Printing should be accomplished shortly after the beginning of the 1979-1980 fiscal year.

#### Firemen's Olympic Committee

The Summer Olympics of 1979 were held in Newport Beach, California at the University of California at Irvine Campus. According to the figures of the California Firemen's Athletic Association approximately 1,600 firefighters from the State of California participated. This figure, although down from last year, was still better than anticipated due to the gasoline situation.

Competition was at an excellent level. There appeared to be a new group of firefighters who were entirely new to the fire service. Their fitness level was very good and their enthusiasm boundless. The softball once again occupied the greatest space. There were 39 softball teams representing practically every major and many small departments. Participation in all sports had a representation of approximately 80 fire departments throughout the State.

San Francisco was once again well represented fielding many softball teams and multiple basketball teams. Members participated also in track and field events, handball, racquetball, powerlifting, golf, table tennis, shooting, tennis and many other sports. San Francisco firefighters took medals in practically every sport they entered and although at this time we have no official count it is believed that San Francisco firefighters once again were at the top in medal count. Although the medals are important to the individual the overall result of the program in creating a better and more physically and mentally fit person is of great importance to the fire service as well as the individual.

The 1980 Summer Olympics will be held at the University of California at Davis. The campus facilities there are much better than the University of California at Irvine. There are more softball diamonds and a huge modern indoor sports complex in one large building. We are hopeful that the turnout in 1980 will be the largest ever in Northern California. The tentative dates will be July 8th through the 12th.

The Winter Olympics were held at Mammoth Mountain in February and March of this year. Although very few San Francisco firefighters participated this year there was a fair size crowd. The competition was good and a fine time was had by the participants. The 1980 Winter Olympics site has not as yet been determined although it has been narrowed down to three sites. The sites selected are Mt. Batchelor in Oregon, Park City in Utah and Sun Valley in Idaho. The board is at present trying to get the best place for the most reasonable price.

The aims and goals of the California Firemen's Athletic Association has been and will continue to be to promote physical fitness, public relations and a closer bond between firefighters in the State of California.

#### DIVISION OF PUBLIC EDUCATION AND INTERNAL AFFAIRS

The primary function and activities of the Division of Public Education and Internal Affairs are as follows:

- A) Public education in fire safety methods and first aid CPR procedures.
- B) Career development and education of firefighters.
- C) Internal activities dealing with labor relations, human relations and investigation of citizen complaints.
- D) Vehicle accident review and compilation of statistics.
- E) Community services.

The 1978-1979 fiscal year inaugurated an intensified community-wide speaker program conducted by field chief officers. Community groups were instructed in fire prevention methods through the speaker program.

Education incentive is now provided in the promotion process. Firefighters enroll in prescribed college courses and are completing their education requirements in preparation for higher ranks.

Vehicle Accident Review has provided opportunities to reduce vehicle accidents. A reduction of one (1) accident from the previous fiscal year continued a three-year reduction of 31 per cent even though alarms have increased 15 per cent.

False Alarms continue to increase. A major step was taken to reduce false alarms from school areas beginning in June, 1979. School street boxes were being clank-faced to make such boxes in-operable from the street while remaining operable from inside the school.

The CPR Program (Cardio-Pulmonary Resuscitation) conducted by the Technical Supervisor of Breathing Apparatus successfully trained private citizens and firefighters in CPR and First Aid procedures.

### Community Services

The office of Community Services reports the activities for this fiscal year 1978-1979 as follows:

1. Community Meetings - Regularly met with community groups, organizations and governmental agencies to maintain an awareness of and participate in community activities as a representative of the Department.
2. Human Relations/Grievance Committee - Assisted in the development of Grievance Procedure Guidelines for approval of the Fire Commission and Chief of Department. Acted as secretary to this committee.
3. Educational Promotional Credits Committee - Assisted in the development of required San Francisco Fire Department related college courses and guidelines for all promotional ranks of the Department that would allow candidates for promotion, who have successfully completed the required courses, to gain points in promotional examinations. Acted as secretary to this committee.
4. Accident Review Committee - Regularly attended Accident Review Committee meetings and acted as secretary to this committee.
5. School Visitation Programs - Intensified efforts in the School Visitation Program to discuss fire safety in schools and in the home. Discussions were conducted by Battalion Chiefs, firefighter personnel when visiting schools to conduct apparatus demonstrations, and members of the Bureau of Fire Prevention and Public Safety.
6. False Alarm Abatement Program - Arranged meeting and met with community groups to discuss abnormally high incidents of false alarms originating from fire alarm boxes in their areas. False alarm abatement, to some extent, resulted from implementation of some of the recommendations advanced by members of these community groups. One fire alarm box had a "Bell Warning" device placed on it, some were relocated and a program was initiated to "blank front" most auxiliarized school fire alarm boxes. There was also a significant reduction of false alarms at one location when 47 letters were sent to residents in the area of the problem fire alarm box.

7. Career Opportunity Program - Participated in career opportunity programs in Junior High and High schools to discuss the San Francisco Fire Department as a career. Participated regularly in the Junior Chamber of Commerce's career counselor's program.
8. Projects (On-going) - Coordinated and/or supervised C.E.T.A. employee assignments to the Fire Department by the Mayor's Office of Employment and Training. Acted as Department liaison with the American Red Cross in the assistance of fire victims. Maintained statistical reports relating to ethnic/racial composition of the Department.
9. Summer Youth Program - Coordinated and/or supervised the assignment of Summer Youth Program employees to the Fire Department through the Mayor's Office.
10. Day to Day - Initiated and responded to correspondence and maintained effective office operations.

#### Firefighters' Toy Program

The firefighters Toy Program in the Christmas of 1978 distributed over 80,000 toys to the needy children of San Francisco. This program is a cooperative venture shared between Firefighters Local 798 and the Fire Department, whereby toys are collected, repaired and distributed to the needy children of San Francisco.

In the Toy Programs twenty-eight (28) year history, it has given to the needy children of San Francisco over 2,000,000 toys.

Thanks to the Fire Department, the Firefighters Union and the off duty firefighters, the program was, is and shall be one of the biggest of its kind in the nation.

#### F.L.A.M.E. (Fire League Athletic and Musical Events)

All phases of the F.L.A.M.E. Youth Program developed both in size and quality during the 1978-1979 fiscal year.

We continued to provide the finest activities available to over five thousand of this City's youth, in soccer, basketball and baseball.

Resources to compliment our efforts continue to be made available through the voluntary payroll deductions from the members of the San Francisco Fire Department.

Through the time and funds given by those members, F.L.A.M.E. will be enabled to make such recreational activities available in the future.

## Disaster Operation Plan Manual

The Disaster Operation Plan for the San Francisco Fire Department was edited, revised and up-dated by a committee appointed by the Chief of Department. The committee was activated in 1978. The final draft of the plan was presented to the Chief of Department in April of 1979 after the final draft was presented to all the chief officers of the Department for review and input.

The revised manual consists of three parts:

- Part 1      Planning
- Part 2      Activation
- Part 3      Multi-staging areas and casualty collection points

The Part 2 Activation Emergency Signal Designations were changed to avoid conflict with the newly adopted 10 code Radio Communications System.

Part 3 was added to the plan to utilize the multi-staging areas and the casualty collection points as locations for off-duty firefighters to report to in the event of a major disaster in the City of San Francisco so they can be transported back to the City by helicopter or other available transportation. These locations are spread throughout the 9 Bay Area counties.

It is intended to constantly up-date the disaster publication to conform to prevailing conditions. Meetings have been held and are scheduled in the future with various military, state and county emergency services organizations to bring about this conformity.

## Summary of Disability Injuries

The following is a list of all injuries sustained by members of the Department during the fiscal year 1978-1979 and indicates the nature of the injury, part of body affected, activity involved and injuries associated with false alarms:

### Where Injury Occurred

1. Fires	548
2. Other emergencies	94
3. Stations or Department property	129
4. Not on Department property (drills, details, etc.)	36
5. Inspection work (any property)	11
6. Emergency vehicular movement	11
7. Non-Emergency vehicular movement	5
8. Routine duties (Auxiliary Services)	9
9. Not otherwise classified	16

### Part or Parts of Body Injured

1. Eye	49
2. Head	55
3. Neck (except respiratory system)	36
4. Shoulder	45
5. Arm	30
6. Elbow	29
7. Wrist	29
8. Hand	109
9. Back	159
10. Leg	47
11. Knee	97
12. Ankle	51
13. Foot	41
14. Trunk	54
15. Respiratory System	29
16. Chest Pains	18
17. Not otherwise classified	48

### Nature of Injury

1. Burns except eyes, including chemical burns	38
2. Burns, eyes	2
3. Foreign body in eye or eye irritation	42
4. Strains/Sprains	382
5. Bruises and contusions	168
6. Hernias	3
7. Lacerations	68
8. Punctures	21
9. Dislocations	1
10. Fractures and suspected fractures	33
11. Respiratory system (including smoke inhalation)	26
12. Dermatitis (skin disorder)	20
13. Cardio-vascular	16
14. Not otherwise classified	60

INJURIES ASSOCIATED WITH FALSE ALARMS - - - - - 1

DIVISION  
OF  
FIRE FIGHTING







## DIVISIONS OF FIREFIGHTING

- . Uniformed personnel assigned to the four firefighting divisions - comprised of ten battalion districts and 47 fire stations - are responsible for extinguishing fires, saving life and property, rescues, cardio-pulmonary resuscitation, first aid, etc.
- . Perform daily building inspection, and high-rise inspection.
- . Maintain apparatus, equipment and fire stations, and perform daily drills.

	DIVISION 1	DIVISION 2	DIVISION 3	DIVISION 4 (Airport)
Personnel	416.3	622.3	437.2	60
Battalion Dist.	3	4	3	—
Fire Stations	12 (includes Fireboat)	17	15	3
H50 Assistant Chief	3.3	3.3	4.4	1
H40 Battalion Chief	12	18	12	—
H30 Captain	21	33	23	3
H20 Lieutenant	55	87	59	6
H10 Chief's Operator	17	21	17	1
H2 Firefighter	301	460	322	49
H110 Marine Engineer	4	—	—	—
H120 Pilot of Fireboat	3	—	—	—
TOTAL PERSONNEL 1536				

Program Outputs:

A. Major Alarms .....	120
B. Total Fires .....	8,470
C. Resuscitations .....	2,235
D. Emergencies Other than Fires ...	17,065
E. Total Alarms .....	37,443

Related Costs 1978-1979 \$ 55,353,131



## FIREFIGHTING AND RESCUE SERVICES

### Headquarters Chief Officers

#### DIVISION NO. 1

<u>Division No. 1</u>	<u>Station No. 13</u>	530 Sansome Street
Battalion No. 1	Station No. 2	1340 Powell Street
Battalion No. 2	Station No. 36	109 Oak Street
Battalion No. 3	Station No. 8	36 Bluxome Street

#### DIVISION NO. 2

<u>Division No. 2</u>	<u>Station No. 5</u>	1301 Turk Street
Battalion No. 4	Station No. 38	2150 Calif. Street
Battalion No. 5	Station No. 21	1443 Grove Street
Battalion No. 7	Station No. 31	441 - 12th Avenue
Battalion No. 8	Station No. 40	2155 - 18th Avenue

#### DIVISION NO. 3

<u>Division No. 3</u>	<u>Station No. 7</u>	2300 Folsom Street
Battalion No. 6	Station No. 11	3880 - 26th Street
Battalion No. 9	Station No. 15	1000 Ocean Avenue
Battalion No. 10	Station No. 9	2245 Jerrold Avenue

### Division of Airports

San Francisco International Airport  
Airport Rescue Company No. 1, No. 2  
and No. 3

### Department Buildings

The following is a list of the number of buildings that station the various units of the Department:

- 1 - Department Headquarters
- 44 - Company Stations
- 2 - Airport Company Stations
- 1 - Division of Training
- 1 - Communications Center
- 1 - Bureau of Equipment
- 2 - Pumping Stations (High Pressure System)
- 1 - Reservoir Station (High Pressure System)
- 2 - Warehouses (Storage)
- 1 - De-activated Company Station
- 1 - Pipe Yard Station (High Pressure System)

## FIREFIGHTING AND RESCUE SERVICES

This summary is the result of output reports generated by our Command and Control Computer System. Some categories are presented in broad detail for the sake of clarity and to give an indication of what general areas may be of concern. We have the capability within our computer system to extract information in much greater detail should the need arise to do an in depth analysis of a particular aspect of the fire or incident activity problem.

We believe this to be a more meaningful presentation of the Department's incident activity.

### Recapitulation of Fire Department Response:

	<u>1977-1978</u>	<u>1978-1979</u>
Total Fires - - - - -	7,582	8,470
False Alarms - - - - -	9,869	11,908
Emergency Other than Fire - - - - -	15,627	17,065
(Resuscitations) - - - - -	(1,563)	(2,235)
Total Alarms - - - - -	33,078	37,443
Major Alarms - - - - -	92	115

### Summary of Incidents by Type

#### Fires

Unknown Type Fire - - - - -	12
Building Fire - - - - -	3,057
Trees, Brush, Grass - - - - -	1,362
Vehicle Fire - - - - -	1,325
Refuse Fire - - - - -	2,422
Outside Structure - - - - -	122
Explosion - - - - -	11
Outside Spill/Leak Mobile Home Fire - - - - -	4
Other Fire - - - - -	155
TOTAL - - - - -	8,470

#### False Alarms

Malicious/Mischief - - - - -	10,927
Bomb Scare, No Bomb - - - - -	35
System Malfunction - - - - -	491
Unintentional - - - - -	455
TOTAL - - - - -	11,908

#### Emergency Other than Fire

#### Rescue Calls

Resuscitation-Positive - - - - -	1,863
Resuscitation-Negative - - - - -	372

### Rescue Calls (cont.)

First Aid - - - - -	2,704
Rescue/Extrication - - - - -	193
Potential Jumper - - - - -	43
Elevator/Escalator - - - - -	295
Trapped in Auto - - - - -	212
Cliff/Landslide - - - - -	26
Aircraft Incident - - - - -	23
Drowning - - - - -	14
TOTAL - - - - -	<u>5,745</u>

### Overpressure

Steam Rupture - - - - -	46
Air/Gas Rupture - - - - -	32
Water Heater/Boiler - - - - -	96
TOTAL - - - - -	<u>174</u>

### Hazard Conditions

Washdown Blood - - - - -	28
Washdown Gas/Oil etc. - - - - -	1,914
Explosive Removed - - - - -	5
Excessive Heat - - - - -	200
Power Lines Down - - - - -	120
Arc/Short Electric - - - - -	428
Refrigeration Leak - - - - -	103
Smell of Natural Gas - - - - -	313
Building Collapse - - - - -	4
TOTAL - - - - -	<u>3,115</u>

### Good Intent Calls

Smoke Scare/Smell - - - - -	1,310
Wrong Location - - - - -	25
Control Burn - - - - -	44
Alarm Bell Ringing - - - - -	512
Recall/No Service - - - - -	267
TOTAL - - - - -	<u>2,158</u>

### Service Calls

Cover a Window - - - - -	247
Lock out/Lock in - - - - -	759
Water Removal - - - - -	896
Smoke/Odor Removal - - - - -	101
Animal Rescue - - - - -	49
Assist Police - - - - -	164
Broken Hydrant - - - - -	267
Boat Sinking - - - - -	21
Loose Structure - - - - -	54
Broken Sprinkler - - - - -	65
TOTAL - - - - -	<u>2,623</u>

Other - - - - -	3,250
<u>Fires - Source of Heat of Ignition</u>	
Heating Systems - - - - -	209
Cooking Equipment - - - - -	722
Air Conditioning Equipment - - - - -	45
Electrical Distribution Equipment - - - - -	394
Electrical Appliances - - - - -	133
Special Equipment - - - - -	313
Processing Equipment - - - - -	19
Service Equipment - - - - -	42
Smoking Material - - - - -	4,452
Other Objects - - - - -	1,910
Undetermined - - - - -	231
TOTAL - - - - -	8,470

<u>Fires - Type of Material Ignited</u>	
Gas - - - - -	57
Flammable Liquid - - - - -	706
Volatile Solid - - - - -	319
Chemical - Metal - Plastic - Paint - - - - -	122
Natural Product - - - - -	1,980
Wood - Paper - - - - -	3,537
Fabric - Textile - Fur - - - - -	1,039
Material with Oil - - - - -	70
Other - - - - -	186
Undetermined - - - - -	454
TOTAL - - - - -	8,470

<u>Fires - Number and by Property Class</u>	
Unknown Code - - - - -	71
Public Assembly	
Amusement-Fixed - - - - -	14
Amusement-Variable - - - - -	3
Churches - - - - -	22
Clubs - - - - -	12
Libraries, Courts - - - - -	6
Eating, Drinking - - - - -	109
Terminals, Station - - - - -	8
Theaters - - - - -	10
Educational	
School, Non-resident - - - - -	62
Business Schools - - - - -	13
Universities - - - - -	-
School, Residential - - - - -	2
Institutional	
Care of the Aged - - - - -	13
Care of the Young - - - - -	3

# Institutional (cont.)

Sick or Injured - - - - -	67
Physical Restraint - - - - -	3

## Residential

One & Two Family - - - - -	629
Apartments - - - - -	1,683
Rooming House - - - - -	5
Hotel - - - - -	201
Motel - - - - -	8
Dormitory - - - - -	4
Other - - - - -	-

## Store & Office

Food, Beverage - - - - -	34
Textile, Clothing - - - - -	16
Household, Repair - - - - -	20
Specialty - - - - -	12
Recreation - - - - -	9
Professional - - - - -	33
Motor Vehicle - - - - -	16
General Item - - - - -	10
Offices - - - - -	83

## Basic Industry

Communications - - - - -	8
Utilities - - - - -	41
Agriculture - - - - -	4
Forestry - - - - -	6
Mineral Products - - - - -	7
Nucleonics - - - - -	1
Laboratories - - - - -	1

## Manufacturing

Food - - - - -	9
Beverage, Tobacco - - - - -	3
Textiles - - - - -	1
Wearing Apparel - - - - -	4
Wood, Paper - - - - -	35
Chemical - - - - -	4
Metal - - - - -	15
Vehicle - - - - -	7
Other - - - - -	3
Unclassified - - - - -	7

## Storage

Textile - - - - -	-
Food, Tobacco - - - - -	3
Petroleum, Alcohol - - - - -	2
Wood, Paper - - - - -	6
Chemical, Plastic - - - - -	2
Metal - - - - -	5
Vehicle - - - - -	23
General - - - - -	55
Agricultural - - - - -	2

Special Properties		
Construction	- - - - -	34
Special Structures	- - - - -	17
Outdoor	- - - - -	1,379
Road	- - - - -	2,265
Equipment Areas	- - - - -	2
Railroad	- - - - -	1
Mobile Property		
Road-Passenger	- - - - -	1,121
Road-Freight	- - - - -	93
Rail Transport	- - - - -	10
Water Transport	- - - - -	8
Air Transport	- - - - -	3
Heavy Equipment	- - - - -	99
Special Vehicles	- - - - -	6
Unclassified	- - - - -	68
Property		
Unclassified	- - - - -	-
TOTAL	- - - - -	8,470

#### Source of Alarms

Telephone Alarms		
Total	- - - - -	25,105
Actual Incident	- - - - -	22,832
Telephone/False Alarm	- - - - -	2,273
Telephone - Per Cent Actual	- - - - -	90.95 %
Telephone - Per Cent False	- - - - -	9.05 %
Street Box Alarms		
Total	- - - - -	12,192
Actual Incident	- - - - -	2,563
Street Box/False Alarm	- - - - -	9,629
Street Box - Per Cent Actual	- - - - -	21.02 %
Street Box - Per Cent False	- - - - -	78.98 %
Major Alarms	- - - - -	115
Second Alarms	- 71	Fourth Alarms - 9
Third Alarms	- 30	Fifth Alarms - 5

#### SUMMARY OF FIRE FATALITY STATISTICS OCCUPANCIES WHERE DEATHS OCCURRED

Apartments	- 17	Hotels	- 5
Dwellings	- 6	Others	- 6
Hospitals	- 0	Total	34



### FATALITIES BY AGE GROUP

Under fifteen years of age	1	2.9%
Fifteen thru Sixty-four years of age	21	61.8%
Sixty-five years of age and over	<u>12</u>	<u>35.3%</u>
Total (Male 20 - Female 14)	34	100.0%

### FIRE FATALITY-FIRE CAUSES

Smoking Materials	19
Heating/Cooking	2
INCENDIARY	6
Electrical	4
Flammable Vapors Igniting	0
Other	3

### Salvage Operations

Salvage operations are started as soon as the Fire Department arrives at the scene of a working fire and continues even after the fire has been extinguished.

Salvage operations are also used to reduce damage and property loss due to causes other than fires such as storm and rain damage, broken water pipes and other water leaks. These operations are responsible for greatly reducing the loss of property during emergencies.

Each Truck company now carries six (6) Roof covers and ten (10) Salvage covers. Engine companies carry two (2) Salvage covers.

The following Salvage operations were performed during the fiscal year 1978-1979:

Salvage covers spread	- - - - -	233
Roof covers spread	- - - - -	152
Sprinkler heads replaced	- - - - -	216
Roofing paper used (rolls)	- - - - -	87
Polyethylene (rolls)	- - - - -	62
Rental fees collected (Covers left over free period)	- -	\$5,220

### Water Rescue and Firefighting Scuba Unit

Emergency water related incident calls are on the increase, as the public becomes aware of the Fire Department Water Rescue units capabilities. These incidents include rescues from Ocean Beach and the Bay, assisting the Coast Guard Rescue units, small craft emergencies and firefighting along the water front.

One of the outstanding operations of the unit was its work at the third alarm fire on June 14, 1979 under Pier 45. Members of the unit with the aid of the fireboat made hose leads from the fireboat under the Pier and were able to extinguish the fire in short order. The fire had been almost impossible to fight from the top side. The unit operations at this fire may have saved the total loss of the Pier. This type of operation demonstrates the administrations progressive fire ground operations.

Emergency Runs	-	59	Service-Hours	-	76
Drills	-	11	Training-Man Hours	-	423

### DIVISION OF AIRPORTS

#### Organization

Division 4 Airport is composed of a Division Headquarters and three subordinate companies. The Division Headquarters and airport companies 1 and 3 are located in Rescue Station #1. Airport company 2 is located in Rescue Station #2. The Fire Inspection office is in the Airport Engineering Building.

The Division Chief, Training Officer and Fire Inspector work a five day week, 0800 to 1700 hours, and are subject to recall in their off-duty status. All other personnel work the standard tour of duty for the San Francisco Fire Department.

#### Training

Airport Division training is conducted daily. Supervision is under the Division Chief and is conducted by the Division Training Officer and company officers. Guidelines for training are FAA Advisory Circulars, the National Fire Science Training Center and applicable San Francisco Fire Department training manuals. The Airport Division operates drills from a separate schedule of drills pertinent only to the Airport. Evaluation and testing of training is conducted by the FAA during annual Airport Certification inspection.

"Red Cap" exercises are conducted at least twice each month. These are disaster drills conducted without prior notice and involve all departments on the Airport plus participation by San Mateo County Mutual Aid companies and the occasional participation of the San Francisco Fire Department.

#### Responsibilities

Division 4 Airport is responsible for the following:

1. Aircraft Crash-Fire-Rescue (CFR) protection to the standards specified in Department of Transportation (DOT) Regulation Part 139 and to applicable Federal Aviation Administration (FAA) Advisory Circulars (AC).

2. Structural fire protection to applicable local, state and national codes.
3. Emergency first-aid and resuscitation.
4. Water rescue in waters adjacent to San Francisco Airport.
5. Fire Prevention and Investigation.
6. Training
7. Administrative management to include: budget preparation, development of equipment specifications, contracts, permits planning, maintenance of records, equipment maintenance scheduling and control and personnel management.

#### Certification

Divison 4 Airport has been certified by the Department of Transportation (DOT) as meeting the requirements of Part 139 for a Class "E" Airport. This was confirmed by the annual inspection conducted by the Western Regional Office of the FAA in February of 1979.

#### Company Structure

##### Airport 1 Crash-Fire-Rescue

M-34 - One officer and two firefighters - 3,000 gal. CFR Unit  
 M-36 - One firefighter - 4,000 gal. Tanker  
 M-39 - Two firefighters - Rapid Intervention Vehicle (RIV)  
 1,000 # Monnex and Foam

##### Airport 2 Crash-Fire-Rescue

M-35 - One officer and two firefighters - 3,000 gal. CFR Unit  
 M-41 - Two firefighters - 1,400 gal. CFR Unit

##### Airport 3 Structural

M-32 - One firefighter\* - Standard Pumper  
 M-33 - Two firefighters - 75 foot Aerialscope  
 M-43 - Two firefighters\* - First-Aid Unit

\* Officer responds to first-aid on M-43 and to all other calls on M-32.

#### New Equipment

The new Oshkosh 4,000 gallon CFR unit will go into service in Airport 1 in September 1979, M-34 will be transferred to Airport 2 and M-41 will be placed in reserve.

#### Emergency Alarms

Classification of alarms is as follows: Alert #1, a potential aircraft accident or emergency, but aircraft is not expected to land for at least five (5) minutes; Alert #2 is an accident in progress or imminent and others are self-explanatory.

Alert # 1	-	155	Fuel Spills	-	97
Alert # 2	-	23	Code 10	-	30
Fire Alarms	-	800	Total Alarms	-	2,605
First Aid	-	1,500	Total Service	-	1,892

### MERITORIOUS COMMENDATIONS

The Fire Commission accepted the recommendations of the Fire Department Merit Advisory Board concerning Meritorious Awards to the following department members:

#### Class "B" Awards

Firefighter Robert Fennell

Firefighter Thomas Murray

#### Class "C" Awards

T/Lieutenant Stan Jones  
 Chiefs' Aide Hector Garcia  
 Firefighter Ronald Barney

Firefighter Frank Cercos  
 Firefighter Joseph Mazzeau  
 Firefighter Michael Noethig

#### Class "D" Awards

T/Lieutenant James Griffin  
 Firefighter Robert Kehow

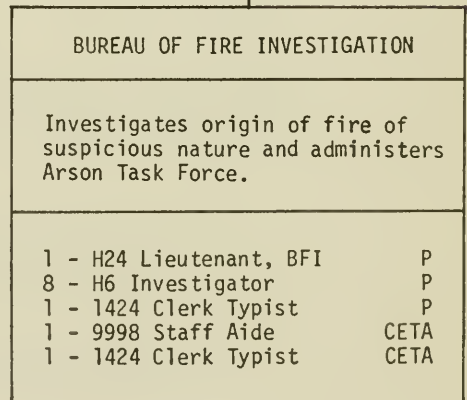
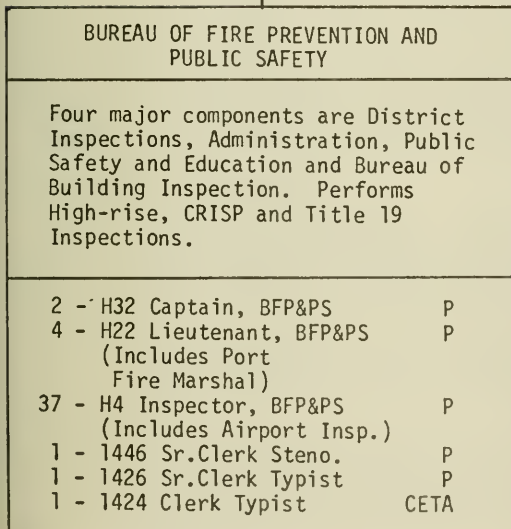
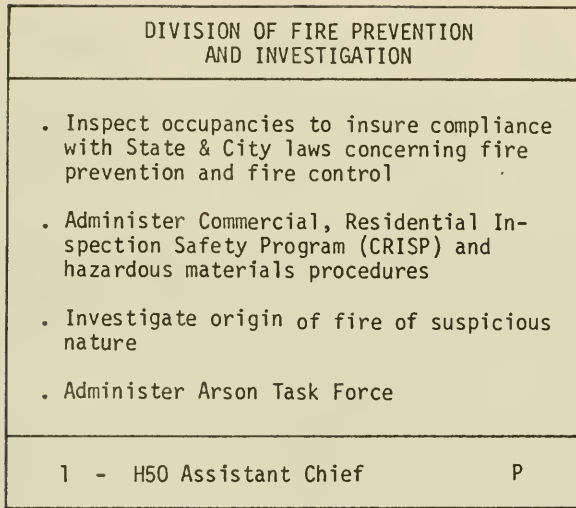
Firefighter Ernest Lee

There were seven (7) Unit Citations awarded and nineteen (19) Certificates of Meritorious Conduct.

DIVISION  
OF  
FIRE PREVENTION & INVESTIGATION





Program Outputs:1978-1979

A. Total Number of Building Inspections .....	18,726
B. Code Violations/Corrections .....	22,512
C. Fire Investigation and Arrests & Dispositions ...	3,476
D. Plan Checks, Permits Issued .....	3,684

Related Costs 1978-1979 \$ 2,589,634





## DIVISION OF FIRE PREVENTION AND INVESTIGATION

During the fiscal year of 1978-1979, the Bureau of Fire Prevention and Public Safety operated with a reduced manpower complement due to a shortage of fourteen (14) Fire Inspectors because of retirements and lack of replacements.

This manpower shortage necessitated curtailment of numerous activities, among which were the public assembly and night club detail and night institutional inspection, hazardous materials, R.A.P. and school inspectors and one (1) Plan Checker (Alterations). However, we were able to keep abreast of responses to complaints and required permit procedures.

### BUREAU OF FIRE PREVENTION

The operations of the Bureau of Fire Prevention for the fiscal year 1978-1979 are reported in statistical form as follows:

#### Inspections and Corrections

Total Number of New Inspections	-	10,217
Total Number of Inspections	-	19,405
Total Number of Corrections Obtained	-	21,266

Of the total number of Inspections listed above, 1,157 were Special Complaints from citizens regarding suspected fire hazards and 116 were Special Investigations of structures involved in greater alarms of fire.

#### Permit Processing

Fire Department Permits - Two hundred ninety-one (291) applications for Fire Department permits were filed in this Division. Posting and filing fees collected with these applications totaled \$10,862.

Building Permits - The following jobs were reviewed by Fire Inspectors assigned to the Bureau of Building Inspection.

Six hundred ninety-two (692) new Building Construction Plan Applications; three hundred thirty-three (333) Preliminary Plan checks; two hundred fifty-six (256) Counter Plan checks and forty-three (43) On-site Inspections.

One thousand seven hundred and ninety (1,790) Alteration Plan Applications were checked and reviewed.

One thousand nine hundred and fifty-eight (1,958) Applications for Building Permits were processed and forwarded to District Fire Inspectors assigned to Headquarters for continuing inspection of construction until completion and acceptance.

#### Occupancy Permits

Department of Public Health	-	722
Department of Public Works	-	56
Department of Social Services	-	214
Police Department	-	306
State Fire Marshal	-	862
Grand Total	-	<u>2160</u>

#### Miscellaneous Reports and Communications

- 1) Four Hundred Seven (407) reports from Battalion Chiefs were received concerning special building inspections and these reports were processed for investigation and abatement of violations.
- 2) One thousand nine hundred twenty-three (1,923) Notices of Code Violations were issued to obtain compliance with state and local safety codes.
- 3) Numerous meetings, special tests, inspections and Fire Prevention lectures were made and attended by the officers and members of the Bureau.

#### Fire Prevention Corrections

Automatic Sprinkler Heads Installed - - - - -	1,094
Automatic Sprinkler Heads Replaced - - - - -	245
Automatic Sprinkler Systems Installed/Extended - - - - -	211
Automatic Sprinkler Systems Repaired/Tested - - - - -	274
Buildings Boarded Up - - - - -	23
Buildings Razed - - - - -	11
Egress, Additional Means Provided - - - - -	53
Emergency Procedures Developed - - - - -	44
Exit Doors, Installed or Altered - - - - -	436
Exit Obstructions Removed - - - - -	341
Fire Alarm Systems Installed - - - - -	262
Fire Alarm Pull Boxes/Bells Tested - - - - -	1,002
Fire Doors & Door Closers Installed/Repaired - - - - -	906
Fire Escapes Installed - - - - -	88
Fire Escapes Repaired - - - - -	60
Fire Escape Obstructions Removed - - - - -	108
Fire Extinguishers & Extinguishing Systems Installed -	2,499
Fire Extinguishers & Extinguishing Systems Installed/Serviced/Tested - - - - -	1,879
Flammable Gas & Liquid Storage - - - - -	10

## Fire Prevention Corrections

Hoses & Nozzles Installed/Removed - - - - -	245
Metal Bins & Covers Provided - - - - -	135
Miscellaneous Corrections Obtained - - - - -	3,035
Miscellaneous Fire Hazards Removed - - - - -	971
Product of Combustion Detectors Installed/Service/ed/Tested - - - - -	3,249
Rubbish Conditions Removed - - - - -	466
Signs & Lights Installed/Replaced - - - - -	3,027
Stairways, Installed or Enclosed - - - - -	12
Stairways, Obstructions Removed - - - - -	10
Standpipes, Installed/Repaired/Altered - - - - -	570
 TOTAL CORRECTIONS - - - - -	 21,266

## C.R.I.S.P. Annual Report 1978-1979

The current Commercial Residential Inspection Safety Program by fire fighting forces (suppression) has been developed from an initial inspection survey by Bureau of Fire Prevention Inspector teams of 21,600 business/residential occupancies that share the same building. The C.R.I.S.P. Inspection Program has been expanded to include all building in the Tenderloin area (Market street at Hyde street to Geary street to Powell street to Market street and then back to Hyde street) except for Hi-Rise (75 foot or more) regulated occupancies and where permits (garages, service stations, parking lots and structures) are issued by the Fire Department.

Fire Suppression companies identify and locate hazardous storage and/or hazardous practices, processes. They classify occupancies as to degree of hazard (light, ordinary or extra hazardous) as defined by the National Fire Protection Association Codes and the San Francisco Building Code. The firefighters check to insure there is continuous maintenance of fire protection systems installed (fire alarms - dry/wet combination standpipe - sprinkler systems). They also enforce city municipal codes covering such violations as rubbish/debris not removed, fire extinguishers not serviced, damaged or missing, exits blocked, obstructed stairways, signs and lights installed/replaced. When such violations are noted, owner/occupants are issued notices of Code Violation(s) indicating corrective action and number of hours/days required for compliance. Follow-up inspections by fire company officers are then made to verify compliance by owner/occupant has been done as directed.

Trial C.R.I.S.P. inspections were started by Division 2, Battalion 7 as of October, 1977 after an evaluation of the program had been instituted in the following command areas: Divisions 1, 2 and 3.

Orientation/indoctrination briefings are being conducted by the C.R.I.S.P. Director Inspector out of the Bureau of Fire Prevention on an on-going basis. All fire company personnel attend the briefings. Each company officer is accompanied by the Director on the first inspection (How to - instructions).

To date, C.R.I.S.P. PROGRESS TOTALS are:

	<u>Inspections</u>	<u>Entities</u>	<u>Violations</u>	<u>Corrections</u>
1977/78	977	1,386	188	153
1978/79	2,707	5,068	604	565

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During the fiscal year of 1978-1979, the High-Rise Inspector conducted five hundred, eighteen (518) inspections of existing high-rise buildings, pursuant to the enforcement of newly adopted regulations in Section 17.33 of Title 19, California Administrative Code. Also, in this regard, he attended two hundred, thirty (230) meetings.

As previously reported, the night Public Assembly detail has been curtailed. However, two (2) Inspectors are working the Public Assembly detail on Thursday, Friday and Saturday nights, respectively, on an over-time basis.

Twelve (12) officers and inspectors of the Bureau of Fire Prevention attended and completed the Police Officers' Standard Training Course #832. This course enabled these men to achieve peace officer status for the performance of their assigned duties.

The Fire Prevention Bureau conducted in-service training sessions to staffs of medical facilities. In addition, thirty-three (33) presentations were given to over eight thousand, four hundred and twenty (8,420) people concerning fire prevention and public safety.

#### Public Education National Fire Prevention Week

National Fire Prevention Week proved to be an educational experience for the citizens of this City. During these seven (7) days, numerous appearances by Chief of Department Andrew C. Casper and his Fire Prevention Education Team were made on local radio and television shows. A special program was presented before some fifteen hundred (1,500) children at the Fire College.

In April of 1979, after identifying the serious problem of stock-piling gasoline due to the Gasoline Crunch of 1979, Chief Casper ordered the F.P.E. Team to develop a program targeted at the driving public.

This program produced the following:

1. Numerous public service announcements for radio.
2. Numerous public service announcements for television.
3. Guest appearances by Chief Andrew Casper on T.V. Talk Shows
4. Guest appearances by Chief Casper on Radio Talk Shows
5. Guest lectures by the San Francisco Fire Department Fire Prevention Education Team at civic and private meetings.
6. Fire Prevention Safety displays at various sites in the City.
7. News conferences held as a public awareness program.
8. Interviews held with 'Corporate in House' periodicals.
9. Research, in depth, of local and state statistics as to the Fire Problem due to the Gasoline Crunch of 1979.
10. Progress reports to the National Fire Protection Association.
11. Reports to the U.S. Fire Administration.
12. The Gasoline/Fire Safety brochure and its distribution.
13. Numerous telephone calls from the East Coast Fire Departments asking for detailed information on the program.
14. Detailed assistance to the various Bay Area Fire Departments to enable them to develop similar programs.

The Gasoline/Fire Safety Program was submitted to the N.F.P.A.'s "Learn Not to Burn" competition, and although it did not win, the N.F.P.A. sent congratulations on a "job well done" to the F.P.E. Team.

#### PORT FIRE MARSHAL

#### SAN FRANCISCO PORT COMMISSION

This report summarizes in brief the operations and associated activities of the Port Fire Marshal during the subject fiscal year.

The basic function of the Port Fire Marshal is to maintain an active functional fire prevention program which includes inspecting, regulating and controlling quantities and storage of hazardous cargo, inspecting the job-site and issuing welding, burning and fumigation permits, enforcing the Fire Code, abating violations and reviewing plans for alterations and/or new construction to ensure compliance with applicable codes and regulations.

Approximately twenty-six (26) welding and burning permits are issued to contractors on a monthly renewal basis for utility and general maintenance purposes.

Additional permits and certificates are issued that receive on-site inspections. These permits involve welding and burning on ships or vessels, hazardous cargo and fumigations totaling 591 permits for the fiscal year.

During the fiscal year, automatic sprinkler systems were installed and approved on Pier 19 and the bulkhead building, Pier 39 and Pier 46B, the new Port Maintenance Facility. Automatic sprinkler protection is currently being installed at Piers 15 and 17.

The deck and pilings were removed from Piers 14,18,20 and 22 in preparation for the construction of a federally funded promenade which will extend from the south side of the Agriculture building to the quarters of the fireboat Phoenix at Pier 22½. Pier 16 is scheduled for razing during August, 1979.

Pier 39, the first major non-maritime development in the history of the Port of San Francisco, a 27 acre complex of 23 restaurants, 105 shops and retail stores, small boat marinas, 1,000 car garage and a 5.2 acre park, opened during October of 1978.

There were four greater alarm fires on port related property during fiscal year 1978-1979:

<u>Monday, August 7, 1978</u>	<u>- 1702 Hours</u>	<u>Fifth Alarm - Pier 40</u>
PROBABLE CAUSE:	Smoking materials igniting	combustibles

<u>Saturday, November 4, 1978</u>	<u>- 0708 Hours</u>	<u>Second Alarm - Pier 50</u>
PROBABLE CAUSE:	Diesel fuel overflowed and ignited during	refueling of the "ARICA".

<u>Sunday, February 11, 1979</u>	<u>- 1818 Hours</u>	<u>Third Alarm - Pier 54</u>
PROBABLE CAUSE:	Incendiary	

<u>Thursday, June 14, 1979</u>	<u>- 2013 Hours</u>	<u>Third Alarm - Pier 45</u>
PROBABLE CAUSE:	Smoking materials igniting	combustibles

The above incidents were investigated and immediate action taken to avoid recurrence.

#### AIRPORT FIRE MARSHAL

The Airport Fire Marshal reviews all construction plans that are submitted by private contractors and the San Francisco International Airport Engineering and Maintenance Division. He further inspects all buildings in various stages of construction to ascertain that all Federal, State and County codes relating to fire protection are followed.



The Airport Fire Marshal is also responsible for inspections of existing buildings to insure that tenants maintain authorized fire protection systems and safety procedures.

Expansion of the airport facilities has included the opening of a complete North terminal that is presently occupied by United Airlines, and various leased businesses, such as restaurants, cocktail lounges and variety stores. Also underway is the remodeling of the South terminal area, complete rebuilding of public parking garage facilities and the International Customs area. Further activities are listed below in more detail.

#### Fire Prevention and Investigation

New Construction Plans Reviewed - - - - -	87
Alteration Plans Reviewed - - - - -	231
Welding and Buring Permits - - - - -	389
Fuel Tank Truck Inspections - - - - -	65
Fire Prevention Talks - - - - -	41
Fuel Spills Investigated - - - - -	54
Meetings - Airport and Fire Marshal - - - - -	87
Emergency Night Calls and Investigations - - - - -	46
Night Public Assembly Inspections - - - - -	24
Building Inspections - - - - -	78
Building Re-inspections - - - - -	227

## BUREAU OF FIRE INVESTIGATION

During the subject fiscal year, the Bureau of Fire Investigation responded to 1,044 incidents involving deaths, injuries, explosions, suspicious and greater alarm fires.

The Bureau of Fire Investigation also investigated accidents involving department vehicles, inspected and abated complaints of fire hazards and reported hazardous activities occurring outside normal business hours.

The Special Investigations and Greater Alarms (totaling 1,044) resulted in 549 Incendiary fires for the fiscal year. This was a reduction of 21 fires from the 570 Incendiary fires identified during fiscal year 1977-1978.

The Bureau of Fire Investigation is dedicated to reducing the number of all fires, including incendiary fires, through effective inspections, investigation and prosecution of those responsible for fires resulting from negligence, carelessness and/or criminal intent.

### Field Activities:

#### 1. Investigations of Fires

Special Investigations	929
Follow-up Investigations	1,865
Incendiary Origins	549
Greater Alarms	115
Undetermined Origins	5
Burn Cases	45
Deaths	34

#### 2. Arrests and Dispositions

##### Felonies:

Arrests	62
Convictions (Felony)	16
Convictions (Misdemeanors)	3
Cases Pending	10
Cases Reduced to Misdemeanors	16
Cases Dismissed	8
Acquittals	9

##### Misdemeanors

Arrests	44
---------	----

##### Juveniles

Cases held under Juvenile Jurisdiction	22
Not Cited	36

#### 3. Court Appearances and Testimony 74



4. Special Complaints Referred from	
Bureau of Fire Prevention investigations	13
Follow-up investigations	6

### Office Activities

Four thousand, four hundred, fifty-seven dollars and fifty cents (4,457.50) was collected and deposited in the General Fund for the processing and sale of copies of Fire Reports to Insurance companies and other interested parties.

### ARSON TASK FORCE

This has been a year of growth and change for this unit. The Task Force has been divided into three standing committees: 1) Law Enforcement, 2) Related Industries Committee and 3) Community Support Committee.

1) The Law Enforcement Committee consist of the Bureau of Fire Investigation, two Police Inspectors, one Assistant District Attorney and one District Attorney's Investigator on a full time basis. We have one agent from the Federal Bureau of Investigation and one agent from the Criminal Intelligence Division of the Internal Revenue Service assigned by their respective agencies as Liaison Officers to the Task Force. The Insurance Crime Prevention Institute has three resident agents to assist in Arson Fraud investigations in the Bay Area and they too meet with us as members of the Task Force.

In the proposed table of organization the District Attorney's member will be the Head of the Criminal Investigation and Prosecution section of the Law Enforcement Committee.

2) The Related Industries Committee is composed of eight (8) insurance executives and we are seeking one member each from the banking and real estate industries.

This committee sponsored a workshop to familiarize investigative personnel with tools available within the Standard Fire Insurance Policy and Proof of Loss forms used in California. The Insurance Industry supplied an attorney, underwriter and adjuster to assist us in implementing the new state immunity law (SB-1386) which allows exchange of information between insurance and fire services.

We established an Insurance Liaison Committee consisting of 28 Senior Claims Managers from companies writing over 95 per cent of the fire insurance in California. These people are our contact personnel for facilitating the flow of information. This effort was sponsored by the Task Force and was attended by most Bay Area Arson Units and various Federal agencies.

The committee is now involved in setting up an Arson Award (reward) Program based on a sliding scale related to the dollar amount of loss and committed to by member insurance companies with an annual limit. This program will allow immediate award setting and posting of a fire building in hopes of eliciting information in a timely fashion.

We have applied for a large Federal Grant and if successful we hope the Insurance Industry will pick up the matching funds requirement. A meeting in May, 1979 in Washington D.C. resulted in a grant from the U.S. Fire Administration to the Task Force. (See liaison section)

3) The Community Support Committee will be formed in the near future by the Coordinator of Community Services under the direction of the Chairman of the Arson Task Force (Chief Andrew Casper). It will consist of concerned citizens from various business, labor and community groups. It shall be geared toward reaching the public sector for support and interchange of information. The public is a necessary unit in the fight against arson. Public support will be needed for legislative action among other facets of an all out fight against this malignancy. This unit has been afforded the services of Mr. William Nielsen of Carl Byoir Associates, a public relations firm, and this service is funded by Fireman's Fund Insurance Company.

#### LIAISON

Project "Arson Detection and Identification" is being upgraded to include direct access to the Assessors computerized records for timely ownership and building history information.

A grant from the U.S. Fire Administration has been approved for the establishment of an Arson Early Warning System. This project will be under way by August, 1979 and run for a 15 month period. If the program meets our expectations it will be packaged in such a manner as to be available when conditions similar to the criteria used in establishing the program appear again.

Under the above grant a C.R.T. terminal, with hard copy printout attachment, will be supplied this unit and a profit profile system will be designed for our computer system. The program, although in a limited geographical area, should produce constants for all fire losses and will become a permanent part of our retrieval system.

We are currently cooperating with the California State Fire Marshal's office in attempting to set up a statewide system of Arson Information with San Francisco being the Northern center.

The Computer System as reported in previous years has proven its worth as noted by the tremendous increase in its use.

DIVISION  
OF  
PLANNING AND RESEARCH





## DIVISION OF PLANNING AND RESEARCH

- . Administers the repair, purchase and disposal of real property
- . Prepares Capital Improvement Program
- . Responsible for Bond Issues relative to fire station construction and repair
- . Serves on Inter-departmental Staff Committees on Traffic and Transportation
- . Administers Computer Program
- . Responsible for Ashbury and Jones Street Tank and supervises Bureau of Engineering and Water Supply (including 2 Pumping Stations)

1	-	H50 Assistant Chief	P
1	-	1444 Clerk Stenographer	P
1	-	1422 Jr. Clerk Typist	CETA

BUREAU OF WATER SUPPLY  
AND ENGINEERING

- . Responsible for maintenance, operation, repair, and planning in connection with Auxiliary Water Supply System
- . Maintains 7,776 low pressure hydrants, 1383 high pressure hydrants, and 150 street cisterns
- . Consults with Fire Department and other City agencies on engineering problems
- . Supervises 2 Pumping Stations

1	5258 Sr. Mechanical Engineer	P
1	7230 Water Sys. Supervisor I	P
1	7323 Water Sys. Asst. Supervisor I	P
12	7388 Utility Plumber	P
2	7514 General Laborer	P
2	7205 Chief Stationary Engineer	P
9	7334 Stationary Engineer	P

Program Outputs:1978-1979

A.	Hydrants Serviced/Repaired .....	5,000
B.	High Pressure Gates Operated .....	500
C.	Standpipes Serviced .....	100
D.	Standpipes Tested .....	60
E.	Requests For Maintenance & Repairs Processed	1,108

Related Costs 1978-1979 \$ 1,133,798



## DIVISION OF PLANNING AND RESEARCH

The Division of Planning and Research performs many roles in support of the operating forces of the San Francisco Fire Department. The following are just a few of the functions: station construction, station maintenance, overseer of the Auxiliary Water Supply System, consultant to developers of new construction regarding fire flow requirements, hydrant installation, bond issue initiation and subsequent administration, station furniture and Fire Department representation concerning street pattern changes and accessibility.

### Construction Program

At the close of this fiscal year 1978-1979, the Improvement Bond of November, 1974, providing funds for the reconstruction of two stations and the remodeling of eight others stood as follows:

Station 25	- 3305-3rd Street	- Completed
Station 42	- 2430 San Bruno Avenue	- Completed
Station 8	- 36 Bluxome Street	- To be remodeled
Station 27	- 356 - 7th Street	- To be remodeled
Station 34	- 499 - 41st Avenue	- To be remodeled
Station 37	- 798 Wisconsin Street	- To be remodeled
Station 40	- 2155-18th Avenue	- To be remodeled
Station 44	- 1298 Girard Street	- To be remodeled
Fireboat Quarters	- Pier 22½	- To be reconstructed
Station 24	- 100 Hoffman Avenue	- To be remodeled

### Station Maintenance

Upkeep of stations and minor alterations were performed on a schedule based on assigned priority and as were permitted by budgeted funds of the Bureau of Building Repair, Department of Public Works. In fiscal year 1978-1979, one thousand, one hundred and forty two (1,142) building repair requests were processed by this Division.

### Fireboat Program

The Improvement Bond of November, 1977 provided funds for the design and construction of a new fireboat to replace the existing fireboat Phoenix. A Request for Proposal for the services of a naval architect to act as designer and consultant was issued in June of 1978. In January of 1979 a design contract was signed with Moris Guralnick Associates. It is expected that the design specifications will be completed by September, 1979 and shortly thereafter the construction contract will be advertised.

### Auxiliary Water Supply Extension Program

The Improvement Bond of 1977 provided funds for the extension of the Auxiliary Water Supply System further into the Western portion of the City. This is part of a long range effort to extend this system into areas not now provided with this service. This phase of the program is now in the construction design phase and actual construction will take place in fiscal year 1979-1980.

### Automation of Ashbury Tank

The Improvement Bond of November, 1977 provided funds for the design and installation of a system that will remotely control the operation of water supply valves located in one of our Auxiliary Water Supply System facilities.

The detailed planning for this project was virtually completed during fiscal year 1978-1979 and the installation should be completed by mid 1979-1980 fiscal year.

### BUREAU OF ENGINEERING AND WATER SUPPLY

This Bureau, under the direction of a Senior Mechanical Engineer (Water Supply Superintendent), is responsible for the engineering and maintenance of the Auxiliary Water Supply System (High Pressure System), the maintenance of the hydrants connected to the domestic water supply system, the maintenance of Fire Department cisterns, the maintenance of standpipes on public and private buildings and for day to day professional engineering assistance as needed by the Department.

During the past year, due to additions to the Auxiliary Water Supply System and changes in the city streets pattern, 21 new high pressure hydrants were installed and 3 were relocated. Currently there are 1,426 high pressure hydrants in service. During the year, 1.88 miles of new 12 inch diameter A.W.S.S. main was installed; new main consisted of the Oakdale-Palou-Third street connection with a length of 1.26 miles serving 14 hydrants and the Sutter street addition from Van Ness avenue to Fillmore street with a length of 0.62 miles serving 7 hydrants.

During this same period, 66 low pressure hydrants were installed, 2 permanently removed and 10 relocated. There are now 7,792 Fire Department hydrants and 235 private hydrants in service on the domestic supply.

There are 150 cisterns located throughout the City for emergency water supply; the majority of the cisterns containing 75,000 gallons of water each and are kept filled by the Bureau of Engineering and Water Supply personnel.

Dry standpipes on buildings are tested by the Bureau before acceptance and after alteration or repair and are periodically serviced.

In the fiscal year 1978-1979, 23 new standpipes were placed in service, 4 permanently removed and 10 repaired or altered. Records showed 2,666 standpipes in service.



DIVISION  
OF  
TRAINING





DIVISION OF TRAINING		
<ul style="list-style-type: none"> <li>• Conducts probationary and in-service evaluations for all uniformed personnel</li> <li>• Conducts individual and special evaluations as required.</li> <li>• Administers special courses and seminars to uniformed personnel.</li> <li>• Conducts fire simulator training and Battalion operational drills</li> <li>• Prepares and maintains training manuals.</li> </ul>		
1 - H50 Assistant Chief		P
1 - H30 Captain		P
2 - H20 Lieutenant		P
1 - 1426 Senior Clerk Typist		P

Program Outputs:

	<u>1978-1979</u>
A. Individual Evaluations - Company Officers & Firefighters .....	5,000
B. Probationary Firefighter Training .....	33,000
C. Special Courses (All Personnel) .....	2,200
D. Battalion Operational Drills .....	0
E. Fire Simulator Training (Officers-Ch./C. & OA) .....	100

Related Costs 1978-1979 \$ 320,106



## DIVISION OF TRAINING

The Division of Training, during this Fiscal Year of 1978-1979, again continued as the directional center of instruction for the Department.

Training during the year focused on the following:

1. Probationary Training
2. Instructional Sessions
3. Company Evaluations and Drills

### Probationary Training

A seven week course was conducted for four groups totaling 120 probationary firefighters. The training covered a continuous period from 08/21/78 to 03/01/79 during which the entire training staff was utilized.

### Instructional Sessions

These sessions involved direct training of personnel by Fire College staff officers or specialists from either the field or outside the Department. The use of new tools and/or appliances, prior to their being put in-service, were taught along with Instructor Training 1a and 1b. Rescue procedures involving the new Muni streetcars were also included in these sessions.

### Company Evaluations and Drills

Evolutions, which had been published in a Drill Manual and distributed to all stations, were the basis for members of the Fire Department acting as individuals or with their companies to be evaluated at the training center. This concept of training placed responsibility on the individual as well as the company officer. Written evaluations were made by the Division of Training personnel and were posted to the individual's records. Reports of poor performances were sent to the Company Commanders and re-testing was scheduled.

Other types of training included the Fire Simulator Command which involved chiefs, company officers and chief's aides dealing here with fire ground problems, realistically simulated through the use of projectors and sound equipment. The purpose being to help develop better communications, coordination and procedures during all stages of a fire emergency. The application of the simulator is not limited however to fire extinguishment. It can be used to pre-plan fires in specific buildings, critique past fires and indoctrinate probationary firefighters.

Additional responsibilities of the Division of Training include: compiling, up-dating, publishing and distributing the Department's training manuals; cooperating with Civil Service in conducting the H-2 entrance agility test; assisting the Airport Division in their specialized training; aiding the Bureau of Equipment and Bureau of Engineering and Water Supplies in the testing of new equipment; budgeting, ordering, and dispensing protective clothing for the firefighting forces; assisting in the licensing of Department drivers; processing identification cards; planning, researching, testing and evaluating drill evolutions, training courses and the instructional needs of the Department.

The Total Man Hours of training during Fiscal Year 1978-1979, involving all phases of training, was 43,511 hours.

#### DISCIPLINARY ACTION

##### July 12, 1978

H4 Inspector Wayne Knutsen suspended for two (2) days - July 4 and July 5, 1978 - for violation of Rules and Regulations, Section 3925 - Failure to Report for Duty.

##### July 19, 1978

H2 Firefighter Thomas R. Browne terminated effective July 11, 1978, in accordance with Section 8.340 of the Charter. Firefighter Browne was convicted for resisting arrest.

##### August 30, 1978

H2 Firefighter Eugene F. Maher suspended for two (2) days - August 14 and August 15, 1978 - for violation of Rules and Regulations, Section 3925 - Tardiness, Failure to Report for Duty.

##### December 6, 1978

H2 Firefighter James W. Podesta suspended for two (2) days, November 29 and November 30, 1978 - for violation of Rules and Regulations, Section 3925 - Tardiness, Failure to Report for Duty.

##### December 13, 1978

H2 Firefighter Robert P. Muniz suspended for two (2) days - December 7 and December 9, 1978 - for violation of Rules and Regulations, Section 3922 - Disobedience, and Section 3948 - Personal Appearance.

##### February 28, 1979

H24 Lieutenant BFI James Mahoney suspended for two (2) days - February 21 and February 22, 1979 - for violation of Rules and Regulations, Section 3921 - Inaptitude for Duty, and Section 3945 Unauthorized Use of Property.

##### February 28, 1979

H2 Firefighter Joseph E. Morrison suspended for two (2) days - February 24 and February 25, 1979 - for violation of Rules and Regulations, Section 3922 - Disobedience.

##### March 7, 1979

H2 Firefighter James W. Podesta suspended for one (1) day - March 1, 1979 - for violation of Rules and Regulations, Section 3923 - Insubordination.

BUREAU  
OF  
EQUIPMENT







BUREAU OF EQUIPMENT		
<ul style="list-style-type: none"> <li>. Maintains, inspects, establishes and enforces procedures for the care and operation of 224 trucks, pumpers and cars.</li> <li>. Performs emergency field repairs.</li> <li>. Performs firefighting and maintenance duties at major alarms of fires.</li> <li>. Conducts tests and evaluations for fire apparatus and prepares specifications therefor.</li> </ul>		
1	- H30 Captain	P
8	- H2 Firefighter	P
1	- 1424 Clerk Typist	CETA

Program Outputs:

		<u>1978-1979</u>
A.	Repairs to Apparatus and Tools, Extinguishers Refilled & Pump Tests	1,700
B.	Major Alarms Responded To	120
C.	Driver Evaluations	30
D.	Miscellaneous services including other Departments	1,500

Related Costs 1978-1979 \$ 358,915



## BUREAU OF EQUIPMENT

The Bureau of Equipment, under the supervision of the Chief, Bureau of Administration, is staffed with one officer and eight firefighters and is responsible for maintenance, lubrication and inspection of all apparatus. The Bureau is also responsible for procedures pertaining to the care and operation of all apparatus and equipment in the Fire Department.

During the fiscal year 1978-1979, the Bureau recorded more than 17,500 requests for equipment repairs, oxygen supplies, extinguisher exchanges and other services. Approximately seventy-five (75) per cent required additional calls to other departments for processing.

The Bureau, during the past year, continued its driver evaluation and operational program with the Division of Training. In order to keep pace with the new equipment, the Bureau also conducted spot checks on the driving habits regular and relief drivers.

The Bureau also conducts the Annual Pump Tests and participates in the high pressure tests, assists the Division of Training and the Division of Planning and Research on special projects, evaluates suggestions submitted by the Advisory Board and attends the Oral Board and pump operator evaluation tests for neighboring communities.

The Bureau responds to all greater alarms and accidents involving Fire Department equipment and provides firefighting services both directly and/or with special apparatus, operating them at the scene of the fire. The Bureau also provides emergency tow service for other city departments when requested.

### Hose Complement

Contained in the following chart is the hose complement of the Department, excluding short utility lengths, soft suctions, hydrant jumper lengths, circulators, multi-versal and house lengths. The maintaining of this record is the responsibility of the Bureau of Equipment.

#### S.F.F.D. Hose Complement to June 30, 1979

	<u>3"</u>	<u>2-3/4"</u>	<u>1-1/2"</u>
10 years or less	100%	77.65%	95.66%
11 to 15 years	0%	20.62%	3.03%
Over 15 years	0%	1.73%	1.31%
Total/Footage	<u>100%</u>	<u>100.0 %</u>	<u>100.0 %</u>
	87,400	54,800	61,050

Total footage in Hose Complement

203,250 feet

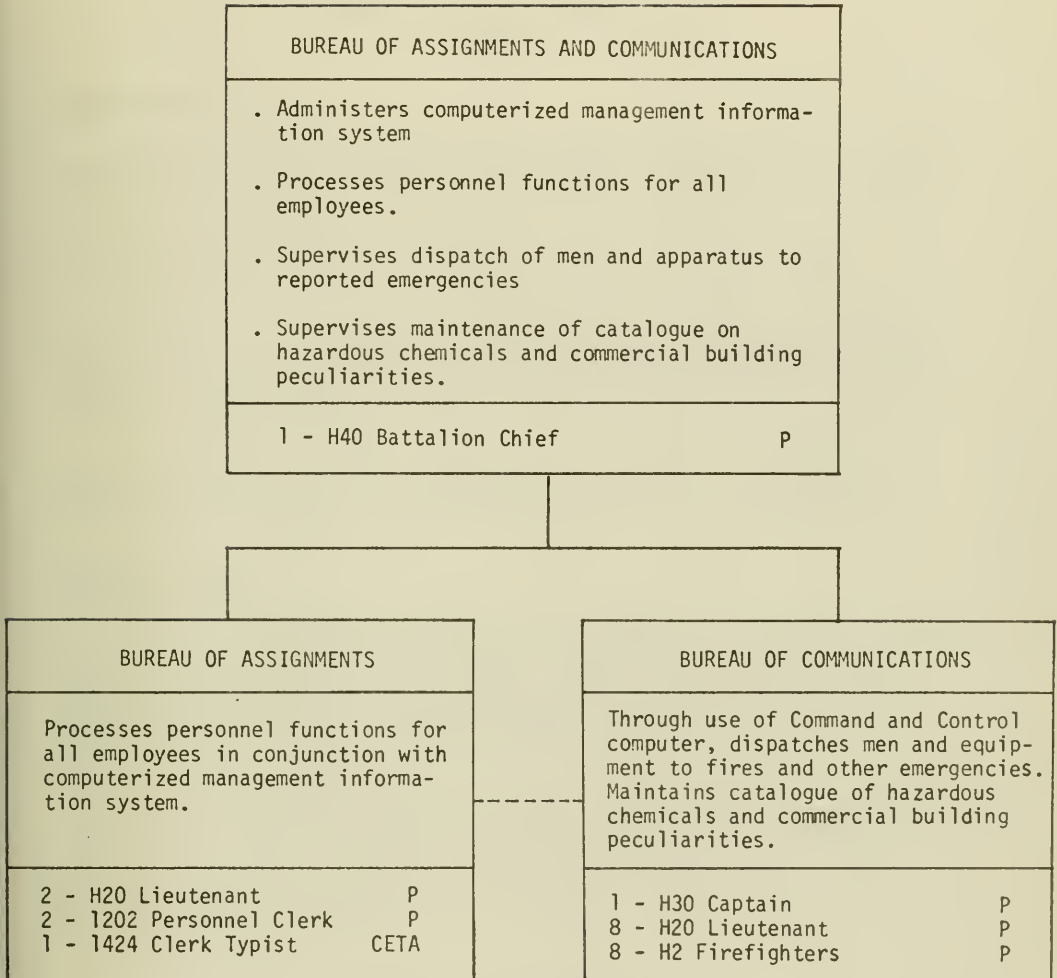
Apparatus StatusIn  
ServiceIn  
Reserve

1,000 GPM Combination pumpers, Triple Combo - - -	1	13
1,000 GPM Combination pumpers, Triple, (Diesel) - -	0	1
1,000 GPM Combination pumpers, Triple, (C.D.) - - -	0	1
1,250 GPM Combination pumpers, Triple, (Diesel) - -	24	0
1,250 GPM Combination pumpers, Triple - - - - -	9	3
1,500 GPM Combination pumpers, Triple, (Diesel) - -	9	0
50 GPM Combination Mini pumpers - - - - -	4	0
Aerial Ladders - 100 foot - (Diesel) - - - - -	14	1
Aerial Ladders - 100 foot - - - - -	5	5
Aerial Ladders - 92 foot - (Diesel) - - - - -	0	1
Aerial Ladders - 85 foot - (Diesel) - - - - -	0	1
Snorkel - 85 foot - (Diesel) - - - - -	1	0
Air Compressor - - - - -	0	1
Automobiles - Chiefs' - - - - -	15	5
Automobiles - Staff - - - - -	35	3
Mini Buses - - - - -	2	0
Coffee Unit - - - - -	0	1
Fireboat - - - - -	1	0
Foam Unit - - - - -	0	1
Diesel Fuel Unit - - - - -	0	1
Gasoline Fuel Unit - - - - -	0	1
Attack Hose Tenders - - - - -	3	0
Hose Tenders - - - - -	0	3
Hydrant Trucks - - - - -	8	0
Hydrant Trucks, (Valve Units) - - - - -	14	0
Pipe Dolly, (C.D.) - - - - -	0	1
Pipe Trailer Unit, (C.D.) - - - - -	0	1
Portable Compressor, 2-wheel Unit Trailer - - - -	2	0
Rescue Trucks - - - - -	2	1
Cliff Rescue Truck - - - - -	1	0
Salvage Trucks - - - - -	0	2
Utility Unit - - - - -	0	1
Pollution Control Unit - - - - -	0	1
Searchlight Engine - - - - -	1	0
Service Squads - - - - -	2	0
Tow Truck - - - - -	1	0
Tractors, Aerial (Relief) - - - - -	0	0
Trucks, Delivery - - - - -	2	1
Valve Unit - - - - -	1	0
Water Rescue Unit - - - - -	0	1
Crane Truck - - - - -	1	0

BUREAU OF  
ASSIGNMENT & COMMUNICATIONS







Program Outputs:

		<u>1978-1979</u>
A.	Assignments and Details .....	7,600
B.	Assignments, WDO and LWLP .....	14,000
C.	Personnel Transactions Processed .....	35,074
D.	Command and Control Dispatches .....	34,100
E.	Major Alarms .....	120

Related Costs 1978-1979 \$ 972,458





## COMMUNICATIONS AND PERSONNEL CENTERS

### Communications Center

On June 1, 1979, the Communications Center, which was previously under the authority of the Chief, Bureau of Assignments and Communications, was shifted for organizational purposes to the Chief, Bureau of Administration.

The Communications Center serves as a dispatch center, a radio communications center and as an information center for the Department.

On duty personnel receive all incoming emergency calls, telephone-Box alarms-radio calls, from units in the field requesting assistance. These calls are evaluated and the necessary apparatus and equipment are then dispatched. A total of 38,077 incidents were processed through the center for the fiscal year 1978-1979.

The information center serves as a source that field personnel may obtain information regarding hazardous chemicals as well as dangerous materials.

### Personnel Center

All areas of personnel administration are administered by the Personnel Center. These areas include maintenance of individual personnel records, vacation scheduling and record keeping, constant monitoring of company strengths and assignment of personnel as required, the hiring of overtime as determined by the compilation of Division strength reports and the administration of all out-of-classification assignments on a daily basis.

The Personnel Control System for the Department assists the Personnel Center by maintaining records and preparing reports based on information from several sources. On May 1, 1979, the System was in full service. This provided a roll call printout at the fire stations and a manpower balance printout for the Battalion and Division Chiefs. The System appears to be working extremely well.

### Personnel Center Statistics

Daily Details	7,789
W.D.O.'s Assigned	9,363
L.W.L.P. Assignments	6,575
U.F.O. Details	1,922
Teletype Messages Sent	1,999

## COMMAND AND CONTROL SYSTEM

The Command and Control System is comprised of two sub-systems, the Computer Assisted Dispatch (CAD) System and the Management Information System (MIS).

The Computer Assisted Dispatch System has been in service on a full time basis since November 8, 1976 and has proven to be highly successful and reliable.

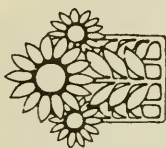
Because of the redundant computer configuration and other redundancies throughout the system, down-time for fiscal year 1978-1979 was but a fraction of one (1) per cent.

Output reports are generated on both a regular and as-needed basis. Fire incident information is forwarded to the State Fire Marshal on a monthly basis in conjunction with the CFIRS program.

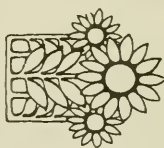
The original Command and Control System contract was modified on July 1, 1977 to provide for hardware and software improvements and to incorporate the Personnel Bureau into the Management Information System.

Hardware and software modifications were completed in March of 1978 and work began in earnest to computerize the Personnel Bureau. This task was completed in March of 1979. All of our personnel functions, with the exception of payroll activities, are done on a computer basis through our own system.

Future tasks include development of a scheduling and building history program for the Bureau of Fire Prevention, an inventory system both vehicular and equipment for the Bureau of Equipment and a training record system for the Division of Training.



# In Memoriam



Firefighter - In the Line of Duty

James Desmond

July 1, 1978

Lieutenant - Active

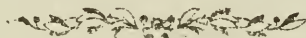
James A. Schrick

May 13, 1979

Firefighter - Active

Patrick Simmons

March 10, 1979



I will pass this way but once  
If there's any good that I can do  
Let me do it now  
For I'll never pass this way again.  
I will see this day but once  
If there's any kindness I can show  
Let me show it now  
For I'll never see this day again.  
Tomorrow may be too late my friend  
To do all the good that you planned  
So reach out for those who need you  
And lend them a helping hand.  
I will know this world but once  
If there's any love that I can give  
Oh Lord . . . please show me how  
For I'll never know this world  
I'll never see this day  
I'll never pass this way again!



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# SAN FRANCISCO FIRE DEPARTMENT

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## ANNUAL REPORT 1979 - 1980



CITY AND COUNTY OF SAN FRANCISCO  
SAN FRANCISCO FIRE DEPARTMENT



ANDREW C. CASPER  
CHIEF OF DEPARTMENT

EMMET D. CONDON  
DEPUTY CHIEF OF DEPT

260 GOLDEN GATE AVENUE  
SAN FRANCISCO, CA. 94102  
Phone (415) 861-8000, Ext 281

September 18, 1980

Honorable President and  
Members of the Fire Commission

Ladies and Gentlemen:

I respectfully submit the Fire Department's 1979-80 Annual Report in accordance with Charter Section 3.501.

During fiscal year 1979-80, service delivery has again risen to a total of 39,496 alarms responded to, an increase of 2053 over last year. Total fires dropped slightly while "first responder" medical aid calls made up the majority of the increase.

Fire deaths were reduced to twelve from the previous year's total of 34, with smoking materials the leading fire fatality cause. Major alarms dropped from 115 to 84, a dramatic decrease of 31 less than 1978-79. Building fires also dropped from 3057 to 2898. These reductions can be attributed to intensified efforts of the C.R.I.S.P. (Commercial, Residential Inspection Safety) Program that utilizes firefighting units; innovative public education; and fire prevention programs.

Due to the vigorous efforts of the three major components of San Francisco's Arson Task Force -- the Fire Department, Police Department and the Office of the District Attorney -- San Francisco is one of the few major cities showing a decrease in the crime of arson while at the same time maintaining an arrest rate of approximately 19% and, of the cases that reach trial, an extremely high conviction rate of 83%. The Arson Task Force generated federal funding of \$247,582 and matching funds from Aetna Insurance Company of \$22,222, to further this highly productive program. Additionally, the U.S. Fire Administration awarded the San Francisco Fire Department a \$17,503 research grant to develop a volunteer counseling program for juvenile firesetters.





September 18, 1980

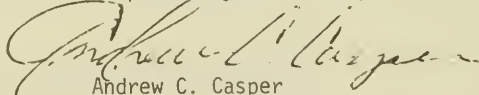
The "Learn Not to Burn" Program, a comprehensive fire prevention education program to be implemented in San Francisco public schools, was developed this year, funded entirely by the private sector. Contributors include the Bank of America, Pacific Telephone, Fireman's Fund Insurance, Eureka Federal Savings, McDonald's Corporation, British Motors of San Francisco, Richard Goldman Insurance Company, Shaklee Corporation, the Morris Stulsافت Foundation, Chevron U.S.A., and the Levi Strauss Foundation. Contributions to date total over \$70,000.

Effective fiscal management for fiscal year 1979-80 resulted in salary savings of \$3,475,606, while keeping daily on-duty staffing at the funded level average of 329 per day.

Our goals and objectives for the coming year include implementation of the FIRM-supported reorganization plan for the Fire Department administrative structure to insure greater accountability and efficiency; completion of the UHF divisional radio control system; full implementation of the "Learn Not to Burn" fire prevention education program; and expansion of the CRISP Inspection Program by firefighting units.

In closing, I would like to take this opportunity to express my sincere appreciation to Mayor Dianne Feinstein, the Fire Commission, the Board of Supervisors and other public officials for their cooperation and assistance this past fiscal year. I would also like to extend my heartfelt thanks to the many private organizations and public-spirited citizens who have contributed time, expertise and financial assistance to Fire Department projects and programs, and to the news media for their continuing support.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Andrew C. Casper". The signature is fluid and cursive, with a long horizontal stroke at the end.

Andrew C. Casper  
Chief of Department

AC/RL





*Andrew C. Casper*

CHIEF OF DEPARTMENT



DIANNE FENSTEIN  
MAYOR

FIRE COMMISSION

Agnes Barnhill - Fire Commissioner (Resigned 8/31/79)  
Juanita Del Carlo - Fire Commissioner (President, 7/1/74 - 3/11/80)  
Curtis Mc Clain - Fire Commissioner (Vice-President)  
Henry Berman - Fire Commissioner (President, 3/12/80 - 6/3/80)  
  
Robert Nicco - Fire Commissioner  
Anne Howden - Fire Commissioner (Appointed 9/28/79)

Raymond G. Connors - Secretary, Fire Commission Room 204

SAN FRANCISCO FIRE DEPARTMENT

Headquarters  
260 Golden Gate Avenue  
San Francisco, California, 94102

Chief of Department Room 225  
Andrew C. Casper

Deputy Chief of Department Room 225  
Emmet D. Condon

Bureau of Administration Room 225  
Ray A. Landi - Secretary to Chief of Department

Division of Fire Prevention and Investigation Room 327  
William J. Graham - Fire Marshal

Division of Planning and Research Room 210  
Robert Rose - Division Chief

Division of Public Education and Internal Control Room 312  
John Sherratt - Division Chief (Reassigned 6/2/80)  
John Hirshfeld - Division Chief (Assigned 6/3/80)  
Earl Gage - Coordinator, Community Services

Personnel Center Room 314  
Peter Sorensen - Battalion Chief

Bureau of Engineering and Water Supply Room 219  
Eugene Andersen - Superintendent

Fire Department Physician Room 307  
Victor P. Bonfilio, M.D. (Deceased 7/19/79)  
William A. Newsom, M.D. (Appointed 9/10/79)



Division of Training		2310 Folsom
Andrew J. Brandi	-	Division Chief (Reassigned 2/13/80)
Charles H. Lee	-	Battalion Chief (Assigned 2/13/80)
Division of Airports		S.F. Int'l Airport
Robert Barry	-	Division Chief (Retired 2/5/80)
Joseph A. Sullivan	-	Division Chief (Assigned 2/5/80)
Bureau of Equipment		2501 25th Street
Clayton B. Frazee	-	Captain (Appointed Battalion Chief 1/14/80)
Harold J. Colen	-	Captain (Assigned 2/13/80)
Communications and Dispatch Center		
Eugene G. Calamoneri	-	Captain (Reassigned 7/9/79)
William Whitfield	-	Captain (Assigned 7/9/79)

#### Fire Department Chaplins

Catholic Chaplin		
Father Daniel Sullivan	-	Sacred Heart Church
Jewish Chaplin		
Rabbi Martin Weiner	-	Temple Sherith Isreal
Protestant Chaplin		
Reverend Roland E. Grumm	-	St. Paulus Lutheran Church





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ADMINISTRATION  
AND  
DIVISION OF PUBLIC EDUCATION  
AND INTERNAL CONTROL





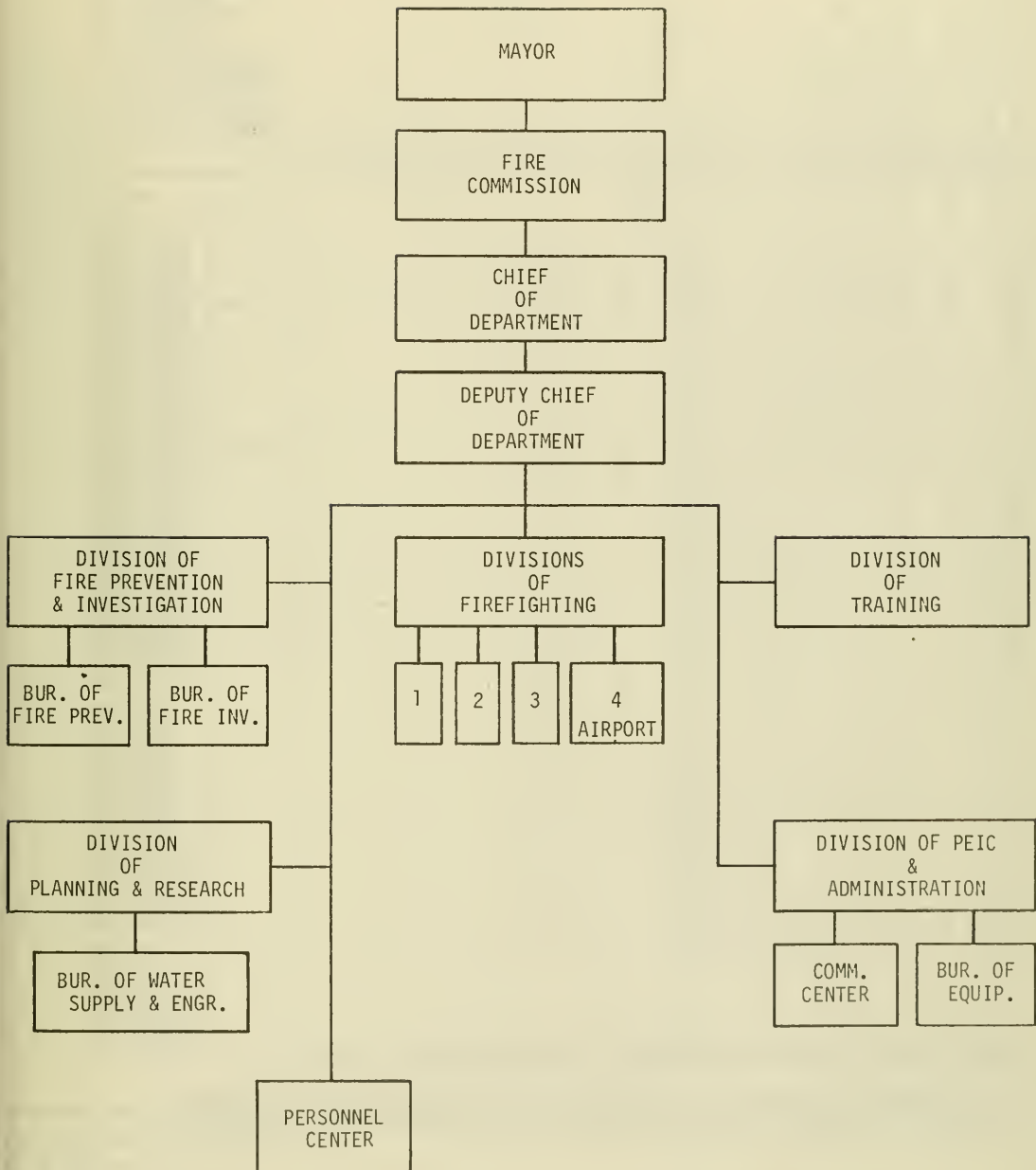
ADMINISTRATION AND  
DIVISION OF PUBLIC EDUCATION - INTERNAL CONTROL

- . Fire Commission manages Fire Department, with day-to-day administrative and fire-fighting operations performed under direction of Chief of Department, through headquarters staff and firefighting personnel.
- . Budget prepared and recommended by Chief of Department and submitted by Fire Commission.
- . Public Education and Information.

5 - 160 Member, Fire Commission	P
1 - 140 Chief of Department	P
1 - 150 Deputy Chief of Department	P
1 - H50 Assistant Chief	P
1 - 155 Secretary to Chief of Dept.	P
1 - H30 Captain	P
2 - H20 Lieutenant	P
1 - H18 Coordinator, Community Svces.	P
1 - H10 Chief's Operator (Supv., Breathing Equipment)	P
1 - 1540 Secretary, Fire Commission	P
1 - 1654 Principal Accountant	P
1 - 1650 Accountant	CETA
1 - 1770 Photographer	P
1 - 1450 Prin. Clerk Stenographer	P
1 - 1446 Sr. Clerk Stenographer	P
2 - 1426 Sr. Clerk Typist	P
1 - 1424 Clerk Typist	CETA
2 - 1202 Personnel Clerk	P
1 - 1224 Prin. Payroll & Personnel Clk.	P
1 - 1222 Sr. Payroll & Personnel Clk.	P
2 - 1220 Payroll Clerk	P
1 - 1220 Payroll Clerk	CETA
1 - 1220 Payroll Clerk	P
1 - 2220 Physician	P
1 - 2708 Custodian	P
1 - 5362 Civilian Engineering Asst. II (New) Vacant	P
1 - 8207 Bldg. & Grounds Patrolman	CETA

Related Costs      \$1,125,043







SAN FRANCISCO FIRE OPEARTMENT - AUTHORIZED PERSONNEL BUDGET - 1979-1980

UNIFORMED PERSONNEL  
SUPPORT SERVICES

CHIEF OF DEPARTMENT  
DEPUTY CHIEF OF DEPARTMENT  
BUR. OF ADMINISTRATION  
BUR. OF ASSIGNMENT  
BUR. OF COMMUNICATIONS  
BUR. OF EQUIPMENT  
DIV. OF TRAINING  
DIV. OF FIRE PREV. & INVEST.  
BUR. OF INVESTIGATION  
BUR. OF FIRE PREVENTION  
PORT FIRE MARSHAL  
DIV. OF PLANNING & RESEARCH  
BUR. OF ENG. & WTR. SUP.  
DIV. PUB. ED. & INT. CONTROL

C.D. 140	D.C. 150	S.C.D. 155	A.C. H-50	B. H-40	CAPT. H-30	LT. H-20	COORD. H-18	OPR. H-10	F.F. H-2	PILOT H-120	M-ENG H-110	CAPT. H-32	LT. H-22	LT. H-24	INSP. H-4	INV. H-6	TOTAL
1	1	1		1	1	2		3									4
					1	2		3									4
					1	8			8								6
			1		1				8								3
					1												17
					1	2											9
																	4
																	1
																	1
																	10
																	38
																	1
																	1
																	3
1	1	1	4	1	4	14	1	7	23			2	4	1	33	9	106

FIRE FIGHTING SERVICE

DIVISIONS 1, 2, 3, 4

DISTRICTS 1 to 10

ENGINE COMPANY	1	
ENGINE COMPANY	2	
ENGINE COMPANY	3	
ENGINE COMPANY	4	
ENGINE COMPANY	5	
ENGINE COMPANY	6	
ENGINE COMPANY	7	ART 7
ENGINE COMPANY	8	
ENGINE COMPANY	9	
ENGINE COMPANY	10	
ENGINE COMPANY	11	
ENGINE COMPANY	12	
ENGINE COMPANY	13	ART 1
ENGINE COMPANY	14	
ENGINE COMPANY	15	
ENGINE COMPANY	16	
ENGINE COMPANY	17	
ENGINE COMPANY	18	
ENGINE COMPANY	19	
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ENGINE COMPANY	21	ART 21
ENGINE COMPANY	22	
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ENGINE COMPANY	43	
ENGINE COMPANY	44	

[illegible]

NON-UNIFORMED FORCE

FIRE COMMISSION OFF.  
CHIEF'S OFFICE  
BUR. OF FIRE PREV.  
BUR. OF ENG. & WTR. SUP.  
DIV. OF TRAINING  
BUR. OF ASSIGNMENTS

[illegible]

TOTAL	1678
-------	------



## PERSONNEL

### Employments

The number of authorized employments for the Fire Department totaled 1,692 for the fiscal year 1979-80. The authorized employments are detailed as follows:

<u>UNIFORMED FORCE</u>	<u>NON-UNIFORMED FORCE</u> <u>Headquarters Office</u>
1 - Chief of Department	5 - Member, Fire Commission
1 - Deputy Chief of Department	1 - Secretary, Fire Commission
1 - Secretary to Chief of Department	1 - Principal Accountant
16 - Division Chief	1 - Photographer
43 - Battalion Chief	1 - Principal Clerk Stenographer
84 - Captain	1 - Clerk Stenographer
221 - Lieutenant	3 - Senior Clerk Stenographer
1 - Coordinator Community Services	4 - Senior Clerk Typist
57 - Chief's Aide	1 - Clerk Typist
1150 - Firefighter	1 - Sr. Payroll-Personnel Clerk
3 - Pilot, Fireboat	1 - Physician (Part Time)
4 - Marine Engineer, Fireboat	1 - Custodian
2 - Captain, Bur. Fire Prevention	1 - Civil Engineering Ass't. II
4 - Lieutenant, Bur. Fire Prevention	3 - Fire Protection Engineer
34 - Inspector, Bur. Fire Prevention	1 - Principal Payroll & Personnel Clerk
1 - Lieutenant, Bur. Fire Invest.	1 - Accountant
9 - Investigator, Bur. Fire Invest.	1 - Senior Off-set Machine Operator
<u>1632 - TOTAL Uniform Force - 96.45%</u>	
	<u>32 - TOTAL Headquarters Office</u>
	<u>Bur. Engineer &amp; Water Supply</u>
	1 - Senior Mechanical Engineer
	1 - Water System Supervisor
	1 - Water System Assistant Supervisor
	2 - Chief Stationary Engineer
	9 - Stationary Engineer
	12 - Utility Plumber
	2 - General Laborer
	<u>28 - TOTAL - Bur. Engineer &amp; Water Supply</u>
	60 - TOTAL Non-Uniform - 3.55%

TOTAL AUTHORIZED EMPLOYMENTS  
July 1, 1979

1,692

Specific assignments of these employments are detailed on the authorized personnel assignment chart.

## FISCAL

### Budget - Personnel Services

Under the provisions of Section 8.405, City Charter, the rates of compensation of the uniformed force of the Department are fixed by ordinance of the Board of Supervisors.

The salary range is based upon survey and certification by the Civil Service Commission of the average paid firefighters and police officers in California cities of 350,000 or more population.

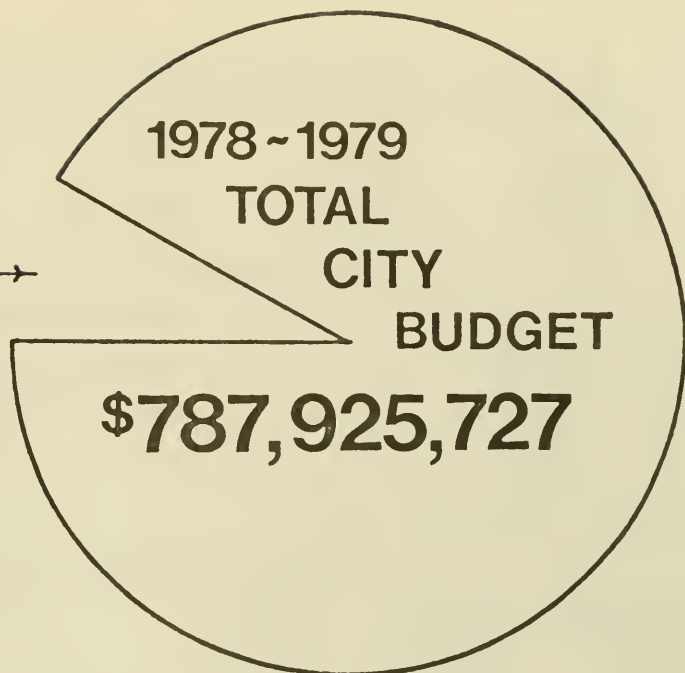
### Personnel

	<u>1978-1979</u>	<u>1979-1980</u>	<u>Increase</u>
Budget Estimate	\$38,995,093	\$44,792,787	\$5,797,694
Budget Expended	\$37,095,755	\$42,121,146	\$5,025,391

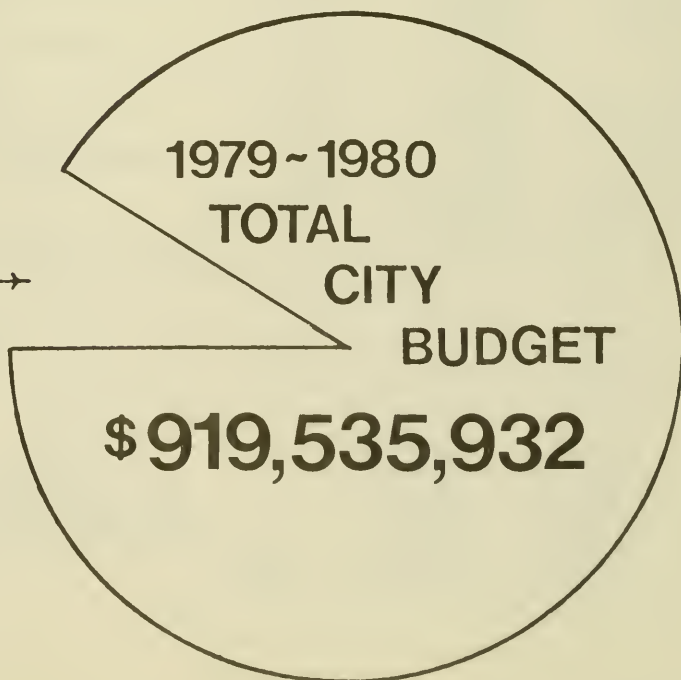
Total personnel costs include permanent salaries and wages, overtime, Holiday, differential pay and temporary salaries.



1978-1979  
TOTAL  
FIRE DEPARTMENT  
BUDGET  
**\$65,614,130**  
or 8.32%  
of the TOTAL  
CITY BUDGET



1979-1980  
TOTAL  
FIRE DEPARTMENT  
BUDGET  
**\$33,904,449**  
or 9.10%  
of the TOTAL  
CITY BUDGET





## Budget - Data

During fiscal year 1979-1980, budget allowances and expenditures compared to fiscal year 1978-1979 for the Fire Department were as follows:

	<u>1978-79</u>	<u>1979-1980</u>	<u>Increase</u>
Budget Allowances	\$65,614,130	\$83,904,449*	\$18,290,319*
Expenditures	\$65,686,048	\$80,360,219*	\$17,674,171*

Expenditure categories and percentages are as follows:

Personnel services and related fringe benefits	\$78,489,176	97.6%
Equipment	338,058	.4%
Other Services (Contractual)	405,450	.5%
Material & Supplies	407,452	.5%
Professional & Special Services	42,459	.1%
Central Shops	612,038	.8%
Controller EDP	60,881	.1%
Others	4,705	.-
TOTAL	\$80,360,219	100.00%

### Recapitulation of Budget Allowances and Expenditures:

<u>Description</u>	<u>Allowance</u>	<u>Expended</u>	<u>over/(under) Expenditures</u>
Personnel Salary & Wages	\$44,792,787	\$42,121,146	(\$2,671,641)
Fringe Benefits	37,171,995	36,368,030	(803,965)
Other Services	446,736	405,450	(41,286)
Professional & Special Services	42,869	42,459	(410)
Materials & Supplies	411,279	407,452	(3,827)
Equipment	346,700	338,058	(8,642)
Services of Other Departments:			
Civil Service	200	-0-	(200)
Central Shops	612,038	612,038	-0-
Controller-EDP	71,861	60,881	(10,980)
Reproduction Bureau	1,054	108	(946)
Meritorious Awards-Fixed Charges	3,630	1,298	(2,332)
Building Repair	3,300	3,299	(1)
	\$83,904,449	\$80,360,219	(\$3,544,230)

\*Includes \$2,847,020 retroactive pay raise from 12/1/78 to 6/30/79 in Fiscal Year 1979-80 plus related fringe benefits.

### Department Revenues:

Estimated revenues and amounts collected during Fiscal Year 1979-80 were as follows:

<u>Account</u>	<u>Description</u>	<u>Estimated</u>	<u>Collected</u>
7166	Posting Fees	\$ 2,100	\$ 2,343
7167	Original Filing Fees	13,000	12,619
7192	Roof & Salvage Covers	13,400	2,919
7216	Miscellaneous Service Charges	23,200	28,940
	TOTALS	\$ 51,700	46,821

## S.F.F.D.

SALARY RANGE

<u>Uniformed Force</u>	<u>1978-79</u>	<u>1979-80</u>	
Chief of Department	\$ 2157.23	\$ 2265.00	bi-weekly
Deputy Chief of Department	1814.77	1905	
Division Chief	1473.23	1547	"
Secretary to Chief of Department	1428.00	1499	"
Battalion Chief	1275.23	1339	"
Captain	1062.92	1116	"
Lieutenant	930.46	977	"
Coordinator of Community Services	930.00	976	"
Chief's Aide	872.31	916	"
Captain, Bureau of Fire Prevention & Public Safety	1200.92	1261	"
Lieutenant, Bureau of Fire Prevention & Public Safety	1051.38	1104	"
Lieutenant, Bureau of Fire Investigation	1051.38	1104	"
Investigator, Bureau of Fire Investigation	959.54	1008	"
Inspector, Bureau of Fire Prevention & Public Safety	959.54	1008	"
Pilot & Marine Engineer, Fireboat	1062.92	1116	"
Firefighter - 1st year	691.38	726	"
Firefighter - 2nd year	726.00	763	"
Firefighter - 3rd year	762.46	801	"
Firefighter - 4th year	800.77	841	"

Non-Uniformed Force

Fire Commissioner	\$ 100.00	\$ 100	Per month
Secretary - Fire Commission	943.00	1073	bi-weekly
Physician - Part Time	1178.13	955	"
Senior Mechanical Engineer	1249.00	1375	"
Water System Supervisor	12.90*	1136	"
Water System Assistant Supervisor	12.30*	1083	"
Chief Stationary Engineer	12.5375*	1052	"
Stationary Engineer	10.0375*	842	"
Utility Plumber	11.1875*	984	"
General Laborer	7.5625*	617	"
Principal Accountant	854.00	899	"
Senior Payroll and Personnel Clerk	562.00	526	"
Payroll and Personnel Clerk	512.00	458	"
Personnel Clerk	489.00	503	"
Principal Clerk Stenographer	562.00	578	"
Senior Clerk Stenographer	526.00	541	"
Senior Clerk Typist	503.00	517	"
Clerk Typist	458.00	471	"
Photographer	599.00	539	"
Custodian	475.00	614	"
Civil Engineering Assistant II	614.00	560	"
Fire Protection Engineer	-	1008	"
Principal Payroll & Personnel Clerk	-	611.	"

(\* Indicates hourly rate)

## PROMOTIONS - UNIFORMED FORCE

The following promotions were made among the various uniformed ranks during fiscal year 1979-80.

<u>Rank</u>	<u>Effective Date</u>
<u>Division Chief</u> H-50    (Limited Tenure Appointment)	
John W. Flaherty	October 1, 1979
Thomas C. Macaluso	October 25, 1979
William M. Shaughnessy	January 14, 1980
Charles D. Cresci, Jr.	January 14, 1980
George E. Berthold	January 14, 1980
<u>Battalion Chief</u> H-40	
Peter M. Sorensen	September 9, 1979
Louis Grillo	October 1, 1979
David W. Hinman	October 28, 1979
Frank J. Dunphy, Jr.	October 31, 1979
Edwin M. Ahrens	January 14, 1980
Clayton B. Frazee	January 14, 1980
Charles H. Lee	January 14, 1980
Elliott Kamler	January 14, 1980
<u>Captain - Fire Prevention</u> H-32    (Limited Tenure Appointment)	
Hesse, Ted H.	April 23, 1980
<u>Captain</u> H-30	
Richard L. Nyhan	October 1, 1979
Daniel K. O'Sullivan	October 1, 1979
Dominic M. Spinetta	October 28, 1979
Richard S. Miller	October 31, 1979
Michael L. Goodin	January 14, 1980
Arthur Citron	January 14, 1980
Paul A. Malfatti	January 14, 1980
Henry T. Smith	January 14, 1980
Arthur W. Kenney	February 11, 1980
John E. Putman	May 7, 1980
James D. McGovern	May 7, 1980
John D. Pell	May 7, 1980
<u>Lieutenant</u> H-20	
James C. Garvey	October 1, 1979
Francis S. Jones	October 1, 1979
Joel Moeller	October 1, 1979
Joseph A. Douglas	October 31, 1979
John E. Calonico	December 28, 1979

Lieutenant H-20 (cont.)

Richard A. Elb	December 28, 1980
Franklin Dunn	December 28, 1980
George Artemoff	January 14, 1980
Peter D. Roybal	January 14, 1980
Fred A. Hubbard	January 14, 1980
Daniel F. Fulmer	January 14, 1980
Noel J. Murray	February 16, 1980
Raymond R. Balazarini	May 7, 1980
Raymond C. Tomasello	May 7, 1980
Frank R. Grimley	May 7, 1980
John J. Lee	May 7, 1980

Inspector, BFP&PS H4

Charles Farrell	July 1, 1979
Joseph F. Sebastinelli	August 1, 1979
Wylie Low	August 14, 1979
Michael Kiser	August 15, 1979
Frank Scarpulla	February 3, 1980

Firefighter H-2

Jerome A. Pittman	December 10, 1979
Michael P. Gray	December 10, 1979
Daniel B. Courtney	December 10, 1979
Donald T. Lyons	December 10, 1979
Stephen G. Young	December 10, 1979
Dennis W. Boyd	December 10, 1979
Stephen N. Farac	December 10, 1979
Jack J. Walker	December 10, 1979
Wayne A. Martin	December 10, 1979
Patrick J. Casserly	December 10, 1979
Calvin L. Fong	December 10, 1979
Donald J. Holvoet	December 10, 1979
Steven A. Guerrazzi	December 10, 1979
Anthony R. Smerdel	December 10, 1979
Michael E. Murphy	December 10, 1979
Walter R. Bertollo	December 10, 1979
Gary C. Merillion	December 10, 1979
Michael E. Castelan	December 10, 1979
Joseph B. McKeon II	December 10, 1979
Daniel V. Armenta	December 10, 1979
William J. Magee	December 10, 1979
Thomas W. Rucker	December 10, 1979
Ronald R. Lewin	December 10, 1979
John M. Barcojo	December 10, 1979
John I. Hughes	December 10, 1979
Leander W. Duhring	December 10, 1979
Richard B. Daniels	December 10, 1979
Frederick C. Walsh	December 10, 1979
Thomas M. Masterson	December 10, 1979
Ross R. Conroy	January 28, 1980
Martin C. Grealish	January 28, 1980
Bruce Clement	January 28, 1980

Firefighter H-2 (cont.)

Brendan A. Ward	January 28, 1980
William J. Mitchell	January 28, 1980
Michael S. Estebez	January 28, 1980
Ruben Herrera	January 28, 1980
Frederick G. Reppun	January 28, 1980
Jerry M. Tanaka	January 28, 1980
Nicholas A. Russo	January 28, 1980
William C. Cody	January 28, 1980
Clifton D. Merrill	January 28, 1980
William J. Healy	January 28, 1980
Richard I. Johnson	January 28, 1980
John M. Broussal	January 28, 1980
George N. Zhovreboff	January 28, 1980
Frank Morino	January 28, 1980
Dean W. Lundie	January 28, 1980
John F. Hanley	January 28, 1980
Mark S. Castagnola	January 28, 1980
Daniel P. Aronson	January 28, 1980
William B. Koehler	January 28, 1980
Robert J. Cuff	January 28, 1980
Mack Arthur Ross	January 28, 1980
Dennis W. Carroll	January 28, 1980
James A. Outley	January 28, 1980
Peter H. Casey	January 28, 1980
Alson Lee	January 28, 1980
Lawrence J. Cannon	January 28, 1980
Brian R. Brady	January 28, 1980
Peter D. Peterson	January 28, 1980
George J. Petty	January 28, 1980
Romerò Mabutas	January 28, 1980
Philip E. Kay	January 28, 1980
Fernando De Alba	January 28, 1980

TOTAL APPOINTMENTS - UNIFORMED FORCE

Division Chief	(H-50)	-	5
Battalion Chief	(H-40)	-	8
Captain - Fire Prevention	(H-32)	-	1
Captain	(H-30)	-	12
Lieutenant	(H-20)	-	16
Inspector	(H-4)	-	5
Firefighter	(H-2)	-	64

NON-UNIFORMED FORCE2220 - Medical Doctor

William A. Newsom

September 10, 1980

5215 - Fire Protection Engineer

Calvin Wire

June 6, 1980

Non-Uniformed Force (cont.)

5362 - Civil Engineering Asst. II

Gordon P.S. Mak

June 11, 1980

Limited Tenure Appointment

1222 - Sr. Payroll/Personnel Clerk

Maureen Hrenoff

July 25, 1979

Non-Civil Service

1220 - Payroll Clerk

Carol Stacey  
Winnie Chou

December 5, 1979  
April 7, 1980

1444 - Clerk Steno

Anne Rhinehard

April 14, 1980

1450 - Principal Clerk Steno

Margaret Coulter

June 18, 1980

1528 - Administrative Secretary

Cynthia Calero

May 13, 1980

NON-UNIFORMED FORCE (CETA)

1402 - Jr. Clerk

Mary Cantone  
Henry-Sei Tseu  
Huy Hwa Ma

March 27, 1980  
April 9, 1980  
April 18, 1980

8202 - Security Guard

Lloyd Williams

November 7, 1979

9910 - Paralegal Trainee

Maria Elsa Cesena  
Teresa Leon

June 28, 1979  
June 28, 1979



# UNIFORMED FORCE - SEPARATIONS FROM SERVICE

## Division Chief H-50

Jack E. Cavallero	11/14/79	S
Allen G. Burnham	11/21/79	S
Duilio Traversaro	12/ 5/79	S
Robert C. Barry	2/ 5/80	S
John J. Mullin	6/ 4/80	D

## Battalion Chief H-40

John E. Voelker	8/ 1/79	S
Charles Chesterman	11/16/79	S
<u>Captain, BFP&amp;PS</u> H-32		
Russel P. McKlem	4/16/80	S
<u>Captain</u> H-30		
Joseph B. McKeon	7/ 2/79	D
Frank O'Rourke	7/13/79	D
Donald E. Horgan	8/10/79	D
John T. Kern	2/ 5/80	S
Paul F. D'Angelo	2/13/80	S
James K. Graham	4/22/80	D

## Lieutenant H-20

Robert P. Irwin	9/12/79	S
Lawrence Mitchell	11/21/79	S
Stanley C. Hughes	2/ 4/80	S
Richard A. Thomas	2/18/80	S
Ernest L. MacCarthy	5/12/80	S

## Chief's Operator

H-10

Martin Madden	10/ 1/79	D
Vernon R. Mode	2/ 7/80	D
Robert D. West	3/31/80	D*

## Inspector, BFP&PS H-4

Thomas Gallagher	8/29/79	S
William T. Carey	2/13/80	S
Eugene F. Young	5/ 6/80	S

## Firefighter H-2

James Mancuso	3/26/79	D
Galen Giambruno	5/17/79	D
John L. Rogers Jr.	7/ 2/79	D
Harold A. Gilroy	7/ 6/79	D
Frederick W. Hartmann	7/16/79	S
Zeno Contreras	7/16/79	D*
Massie S. Vahanian	7/18/79	S
Louis W. Grossman	7/21/79	D

Firefighter H-2 cont.

Alfred A. McCarthy	7/25/79	S
William E. Douglass	8/15/79	D
Joseph P. Lancy	8/15/79	S
Martin Armenta	8/31/79	D
Paul A. Anderson	9/19/79	S
George D. McDonald	10/20/79	D
Daniel L. Bastien	11/ 6/79	R
Glenn G. Maiolini	11/ 6/79	R
David P. Castellino	11/11/79	R
Charles F. McMackin	11/16/79	R
Robert J. Stariha	12/ 2/79	D
George Kobzeff	12/ 3/79	D
Richard Mifsud	12/ 4/79	R
Michael Bello	1/14/80	D**
Daniel D. Courtney	1/18/80	D**
Leander W. Duhring	1/18/80	D**
Richard B. Daniels	1/21/80	D**
Jack H. Jones	1/23/80	D
Frank Plutt	2/ 6/80	S
Donald J. Tracey	2/21/80	S
Fred L. Calonico	2/26/80	S
Fred Rodriguez	3/ 2/80	S
Carl W. Feil	3/ 2/80	S
Albert R. Rubio	3/14/80	S
John P. Dugan	3/28/80	D*
John Hernandez	4/10/80	D
Gerald F. Overstreet	4/ 9/80	D
Mark Liddell	4/15/80	R
James K. Maloney	4/18/80	R
Jimmy F. Langwell	4/22/80	R
Edward D. Schmidt	5/ 3/80	R
John C. Rial	5/ 3/80	S
James E. Carey	5/15/80	S
Michael Bello	5/23/80	(REINSTATED)
James W. Podesta	6/ 3/80	R
Nicholas J. Cabot	6/ 6/80	D*
Thomas W. Creedon	7/31/79	R

TOTAL UNIFORMED FORCE SEPARATIONS

Retirement	(Service)	30
Retirement	(Disability)	20
Death		4
Dismissed		3
Resigned		11
	TOTAL	68

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S - Service   D - Disability   D\* - Death   D\*\* - Dismissed   R - Resigned

## NON - UNIFORMED PERSONNEL SEPARATIONS

Victor P. Bonfilio	7/19/79	D*
Helen M. Donnelly	8/ 1/79	R
Agnes Barnhill	8/31/79	R
John T. Driscoll	12/ 1/79	S
Carol Stacey	4/ 4/80	R

### CETA

Bienvenido Gorospe	7/10/79	R
Thai Nguyen	9/14/79	R
Muriel Wu	9/25/79	R
Richard Hansen	9/28/79	LO
Maria Cesena	10/ 5/79	LO
Teresa Leon	10/ 5/79	LO
Lloyd Williams	3/ 3/80	R
Mary Anne Rufo	3/26/80	LO
Ruth Gigante	3/31/80	LO
Richard Hogg	3/31/80	LO
Carolyn E. Robinson	4/ 4/80	LO
Eudora Cruz	6/ 6/80	R

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LO = Lay Off

## OFFICE OF EMERGENCY SERVICES

The Emergency Services Fire Coordinator is a lieutenant in the San Francisco Fire Department who works in cooperation with and under the guidance of the Director of Emergency Services to develop plans and procedures for coordinated interagency and inter-jurisdictional fire and rescue response in extraordinary emergencies; participates in Emergency Planning Committee meetings, seminars and workshops; confers with federal, state and other emergency oriented agencies; meets with other emergency services personnel of the City and County of San Francisco as necessary to establish and assist in the development and implementation of operations with appropriate emergency services elements.

The duties of the Fire Coordinator also consist of the following:

1. Provides assistance to building owners and managers and the public in the development of plans for such extraordinary disasters as nuclear attack, major fires and earthquakes;
2. Provides assistance in the development of emergency plans for major public buildings tailored to the life safety and survival of the occupants in extraordinary emergency situations such as fire, bomb threat, earthquake and nuclear attack;
3. Assists in maintaining accountability and inspections of the survival supply stockpile for San Francisco which includes keeping files and records of emergency stocks and their locations including radiological instrumentation.

## The Fire Auxiliary Reserve

The Fire Auxiliary Reserve is organized to augment the San Francisco Fire Department in times of natural disaster or hostile military action. It is supervised by a Fire Department Lieutenant.

The members of the Fire Auxiliary Reserve are a group of dedicated citizens whose services are volunteered to the City and County of San Francisco without remuneration.

They are a group of specially trained citizens. Training exercises are held weekly throughout the year. The Reserve also receives on-the-job training by observing and assisting the Fire Department at multiple alarm fires.

In the event of hostile military action, or of a natural disaster of a long duration, the Fire Auxiliary Reserve will be greatly expanded to assist in the safeguarding of the lives and property of our citizens.

The present membership of the Fire Auxiliary Reserve will be the nucleus of any required expansion.

Membership of the Fire Auxiliary Reserve, June 30, 1980 - - - 75

<u>ACTIVITIES</u>		<u>GREATER ALARMS RESPONDED</u>	
Training Exercises	- 49	Total	- 25
Total Attendance	- 840	Total Attendance	- 361
Man Hours - Training	- 2,395	Man Hours - Worked	- 454

## FIRM SYSTEM

The FIRM (Financial Information and Resource Management) System is intended to improve management of the City's total resources. It incorporates what are for San Francisco, new management techniques, new administrative procedures, and new computer systems into an overall resources management system.

The FIRM System will strengthen the incentives for effective and responsive program management by:

- 1) Providing program managers with more flexibility in the administration of their budgets.
- 2) Increasing the accountability of program managers to policy makers and of policy makers to the legislative body and the public.

## FIRM System (cont.)

During 1979-80 members of the Fire Department's administrative staff have been working closely with the Office of the Mayor's FIRM staff to convert to a program/performance budget. The first phase of this two-year conversion began in 1979-80 when the Fire Department identified work programs, established performance measures and objectives. The final phase begins in 1980-81 with the reporting of performance and the preparation of a true program budget next spring.

As part of this cooperative effort between FIRM and the Fire Department, we have streamlined our table of organization by reducing seven work programs to five. These work programs are: Fire Suppression, Fire Prevention, Fire Investigation, Support Services, and Administration.

## PHOTO UNIT

1979-1980

The Photo Unit provided services, as in the past, for the following: fire and arson investigation, fire prevention, fire college training, public relations and administration activities.

Firefighting strategy and training activities improved in recent years due to the opportunity for obtaining valuable fire ground photography of situations encountered.

## PIONEER MEMORIAL MUSEUM

AND

## ST. FRANCIS HOOK & LADDER SOCIETY

After a two and one-half year restoration project by the California Correctional Institute of Tehachapi, sponsored by the Fire Commission and the St. Francis Hook & Ladder Society, the Department's first fire engine, "Protection Company," returned for display at the Museum in April of 1980. The hand-drawn, hand-pumped engine brought record attendance to the Museum this year, totaling 7,110 persons.

The St. Francis Hook & Ladder Society is a non-profit California corporation empowered to accept gifts to the Museum on behalf of the Fire Commission. If the gifts are monetary in nature, the Society expends such gifts for the preservation, restoration or maintenance of apparatus, artifacts and memorabilia in the possession of the Department.

Through the Society, City Guide volunteers staff the Museum, which is open Thursday through Sunday from 1300 hours to 1600 hours.

Members of the Department and the Society form the Muster Team Committee. This group, when off-duty, uses the apparatus from the Museum in the City's St. Patrick's Day and Columbus Day parades and at musters throughout the West. This team donated over 3,500 man-hours to the Department this year.

## COMMITTEE REPORTS

### Fire Department Advisory Board

The San Francisco Fire Department Advisory Board is now in its twenty-fourth year. It is made up of members representing each rank in the Department, and meets monthly to act on suggestions received from members in the field. The Board receives suggestions concerning all phases of Department operations and evaluates each one.

The Board serves as the Department's agency to research, or forward to the proper authority, those suggestions that merit investigation. Those suggestions able to fill a need or able to assist in the operation the Department are forwarded for implementation.

### Radio Committee

The new San Francisco Fire Department Radio System was funded through the 1974 Improvement Bond approved by the voters in November, 1974. The Technical Specifications were completed in June 1978 and were forwarded to the City Purchaser to be advertised for bid and subsequent award of contract.

The successful bidder was Motorola Incorporated and the signing of a contract was finally achieved in May of 1979.

Hardware installation began in October 1979 with the installation of the base stations at Twin Peaks and the satellite receivers at various sites around the City.

The mobile installation began in May 1980 with Engine 9, Truck 9 and Battalion 10.

The system features a new Base Radio Station, Satellite Receiver System, Vehicular Radio System, Handie-Talkie System, Fire Station Radio System and a Headquarters Radio Monitoring System. The system will operate on 488-491 MHZ. Completion of the system is expected in October of 1980.

### High-Rise Committee

The on-going program for the initial High-Rise inspection to be followed by a conference with building management is continuing with great success. Cooperation and interest by building management of High-Rise buildings is excellent.

The inspections and conferences are used to develop relocation or evacuation plans and to instruct building personnel in procedures to assist the Fire Department in the event a fire occurs.

### High-Rise Committee (cont.)

The following is a compilation of High-Rise inspections, target hazard inspections and conferences held this fiscal year.

High-Rise Inspections - - - - 97

Target Hazard Inspections - - - 116

Conferences - - - - - - - - 104

### BART/MUNI Committee

The BART/MUNI Committee continued to meet with transit officials as well as the numerous fire departments along the BART right-of-way. We are working at this time with the BART communications people, attempting to improve radio communications in the Underground System. We are also meeting with the engineering staff of BART while they are developing the preliminary specifications for a new car. We feel that we must have as much input as possible regarding the fire safety of this new car.

We have also worked extensively with the MUNI Metro staff during this past fiscal year, in attempting to avoid some of the shortcomings that were found in the BART System. Muni Metro opened their Underground Operation initially with the "N" Line, in February of this year, and then with the "K" Line in June.

We will continue to work with each of these transit lines to insure that the public is properly protected.

### Pollution Control Committee

A manual is being written for the storage and transportation of hazardous materials that will encompass all federal, state, and local laws and ordinances. It will reduce the threat of exposure to hazardous materials and other pollutants by both firefighters and the general public.

It is also our intention to have all information relating to pollutants to the environment made quickly available from the Command and Control Computer System to all field incident commanders.

The Pollution Control Unit remains in service (reserve status) at Station #8. During the last fiscal year it responded to 19 incidents, logging 17 hours service, most of which were for spills of petroleum products.



### Elevator, Fire and Rescue Committee

This is the first year that the Elevator, Fire and Rescue Committee has been in existence, and while firefighting and rescue operations are constantly being evaluated, emphasis during this initial period has been placed on Department operations at elevator emergencies. Data is being collected and evaluated concerning the use of the Fire Recall Switch at stalled elevator emergencies. If proven successful, the elevator can be recalled, occupants released, and Companies returned to service without necessary forcible entry damage to the elevator.

### Hydrant Committee

During the past year a proposal was made by Supervisor Carol Ruth Silver to amend the Fire Code to reduce the red zone for fire hydrants from 15 feet of clearance on each side to 5 feet. The Hydrant Committee made a study of hydrant installations and the results were presented to the Board of Supervisors. The Board voted to keep the ordinance concerning red zones at 15 feet.

The Hydrant Committee is continually endeavoring to keep both spacing and accessibility of hydrants at a level where the Fire Department can operate efficiently.

### Disaster Operation Plan Committee

The Disaster Operation Plan for the San Francisco Fire Department is constantly being updated to conform to prevailing conditions such as earthquake preparedness and emergency action in regards to hazardous materials.

In Fiscal Year 1979-80, all chief officers attended a seminar held in the Presidio of San Francisco in relation to the handling of hazardous materials and a notification system of assisting agencies located throughout the San Francisco Bay Area.

On Friday, April 18, 1980, the Emergency Operations Services of San Francisco held an Earthquake Preparedness Drill. The Fire Department participated in the exercise assigning various units to Casualty Collection Points located throughout the City to assist other participating agencies. The Fire Department Communications Center located in Jefferson Square was designated as the "Command Post" for all operations during the drill.

### Civil Disturbance Operations Committee

After the civil disturbance that occurred when the Dan White verdict was announced, the San Francisco Fire Department realized that operations performed by the Fire Department during a civil disturbance should be revised to allow more flexibility rather than a strict adherence to the present Civil Disturbance Operation Plan.

An investigative commission was formed by the Fire Commission to submit a report on the timeliness of Fire Department response,



communications problems and the extent of Fire Department preparedness and training for riot control. This commission submitted various recommendations of which several are now being incorporated in a revised Civil Disturbance Operation Plan.

### Physical Fitness Committee

The Committee on Physical Fitness first met on November 9, 1979. Since that time there have been numerous meetings of various sub-groups of that committee. After considering several programs, Chief Andrew Casper approved the one submitted by Frank M. Verducci, Ed.D., and Gary W. Bluth, M.A., experts in fitness research. The program is divided into three components:

- 1) An assessment of current physical fitness levels.
- 2) A program to maintain and improve levels of physical fitness.
- 3) An assessment of the degree to which the program will have accomplished its objectives.

A contract for the implementation of Dr. Verducci and Mr. Bluth's program is currently being prepared. When it has been completed and accepted by both parties in mid-July, 1980, the program will be activated.

### Task Analysis Committee

Task Analysis for Engine Company operations is complete. The analysis assists in determining standards of performance for various tasks assigned to engine companies on the fireground. Factors such as the number of personnel available to do a given task, pulse rate, blood pressure, and fatigue levels are all taken into consideration. The next phase involves determination of truck company tasks.

### OSHA Committee

The OSHA Committee reviews and screens all announcements and documents received from the California Occupational Safety and Health Standards Board for any impact or action required by the Fire Department. Members of the OSHA Committee attend meetings of the Occupational Safety and Health Standards Board that may be pertinent to the operation of the Fire Department and report any changes or proposed changes to the Chief of Department.

### Rulebook Revision Committee

Substantial changes have been completed in the Rules section of the Fire Department Rules and Regulations. Due to the very nature of constant improvement in procedures to increase efficiency, the Procedure Guide is still in a state of flux, and completion for purposes of final printing must await important decisions to be made in the very near future. The committee feels that the finished product will be printed well before the end of the 1980-81 Fiscal Year.

### Hunters Point Committee

Triple "A" Machine Shop, Inc. holds a master lease on two thirds of the Hunters Point Shipyard. Triple "A" has their own fire department, however, we have made a commitment to enter and combat fire if human life is endangered, a major fire threatens other property, or if a Navy ship is involved.

Efforts are made throughout the year to meet with representatives of Triple "A" to insure a coordinated effort if an emergency should arise.

### Educational Committee

The curriculum for the promotional ranks was approved by the Fire Commission and the Civil Service Commission during the past fiscal year. Members seeking promotional opportunities now have an excellent incentive to complete the required fire science courses for each rank, in order to obtain educational credits. Education, combined with seniority is designed to enhance the Fire Department's affirmative action program.

### Human Relations Committee

The Human Relations Committee made two decisions on the grievances which were reviewed and discussed during Fiscal Year 1979-1980.

Improvements were made on procedural methods by which any grievance may be resolved.

Methods to prevent grievances from occurring was a main objective in 1980. To attain this objective, committee members attended: Equal Opportunity Program Workshops, mediation meetings with the U.S. Justice Department, and Human Relations courses offered by the San Francisco Fire Department.

### Labor Mangement Committee

A goal was established by the Labor Management Committee, which was "To establish a middle ground between labor and management where mutual understanding could be developed if and when needed and/or requested by the administration and the union."

There have been no official requests for action by this committee as of this date, but the committee stands ready to answer any requests and offer assistance if needed.

### False Alarm Committee

Through the use of our computer print-outs we have been able to trace a fairly constant pattern of false alarms received from problem

street boxes. The number of these "high incidence" false alarm boxes has not been significantly reduced despite our Department's use of positive programs designed to curb them.

In the downtown area the frequency of alarms received from supervised systems labeled as "mistaken," "faulty," etc., continues to climb as the number of new High-Rise buildings increases.

We will continue to attack the false alarm problem using devices such as the N.F.P.A.'s "Learn Not to Burn" program, the news media, and our elementary school programs which are geared to teach children the importance of helping to maintain a reliable fire alarm system that will bring help quickly only when really needed.

We are studying methods by which we can impose fees or fines fairly, on either the owners/operators of buildings with a history of false alarms, or on the supervisory service paid to assist them in keeping such structures safe from fire.

#### Firefighters' Toy Program

The Toy Program was a success in that it gave out 76,000 toys to the needy children of San Francisco during the 1979 Christmas Season. However, it did not reach its desired goal of 80,000 toys due to a shortage of money and supplies at the start of the program. This caused the closing of the program for several days.

The Toy program is a cooperative venture of the Fire Department and the Firefighters Local 798. This effort to collect, renew and distribute toys to the needy children of San Francisco involved over 5,000 hours of voluntary work by the members during the year.

#### F.L.A.M.E.

All facets of the F.L.A.M.E. Youth Program grew both in size and quality during the 1979-80 Fiscal Year.

F.L.A.M.E. continued to offer the highest quality programs available to over five thousand of San Francisco's youth, in soccer, basketball and baseball.

Additionally, we provided recreational outlets for the handicapped children of Sunshine School.

Resources to advance our efforts continue to be made available through the voluntary payroll deductions from the members of the San Francisco Fire Department.

The time and funds given by those members, will allow F.L.A.M.E. to continue to provide this excellent program to the youth of San Francisco.

## DIVISION OF PUBLIC EDUCATION AND INTERNAL CONTROL

The Division of Public Education and Internal Control activities include the following:

1. Career development and education of firefighters.
2. Human relations.
3. Internal activities involving labor relations, investigations of citizen complaints and internal disciplinary cases.
4. Vehicle accident review.
5. Community services and false alarm reduction.

The college education incentive program is now fully approved by the Civil Service Commission and Fire Commission. Members preparing for promotion can acquire up to 7% additional credits upon completion of the education requirements.

Reduction of vehicle accidents is a continual objective of the Accident Review Committee. Responses to alarms continue to rise, but vehicle accidents have not risen proportionately.

False alarm reduction programs are in operation; however, malicious false alarms from street boxes continue to rise. All street boxes in front of school buildings have been blank-faced, which allows activation only from inside the school building. Districts #10 and #9 continue to have chronic false alarm problems. Letters to citizens surrounding heavy false alarm locations have been sent seeking their assistance in reducing the malicious alarms.

### Vehicle Accidents

What follows is an analysis of vehicular accidents from Fiscal Years 1975 through 1980.

The analysis of vehicular accidents for the Fiscal Year 1979-1980 indicates an increase of nine (9) accidents. The Specialized Auxiliary Service had a decrease of eight (8) accidents; however, an increase of seventeen (17) occurred within the firefighting service. A significant factor was an increase of sixteen (16) accidents by truck companies. This discloses a definite need for driver-tillerman training and practice.

A driver training course is now being developed at the Division of Training. The need for this program is evident with the increase of accidents by firefighting units. Every effort will be made through training, instruction, and practice to reduce accidents to an acceptable level.

## Vehicle Accidents (cont.)

Important data for comparison with the Fiscal Year 1978 - 1979:

Firefighting unit accidents increased by seventeen (17).

Non-firefighting unit accidents decreased by eight (8).

Alarms responded to increased by 1173.

Intersection accidents remained the same.

Collisions with Fire Department buildings increased by one (1).

Backing into quarters accidents decreased by (5).

### Vehicular Accidents by Classification

<u>Firefighting Service</u>	<u>Fiscal Years</u>				
	<u>75/76</u>	<u>76/77</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>
Assistant Chiefs	5	2	2	1	2
Battalion Chiefs	11	8	5	8	7
Engine Companies	66	52	54	40	41
Truck Companies	38	25	21	27	43
Hose Tenders	1	0	0	0	1
Salvage Companies	2	1	0	0	0
Rescue Companies	5	5	3	4	4
Airport Companies	0	0	0	0	0
Service Squad	2	1	1	0	1
Deputy & Chief of Dept.	0	2	1	2	0
	<u>130</u>	<u>96</u>	<u>87</u>	<u>82</u>	<u>99</u>
<u>Specialized Auxiliary Service</u>					
Div. of F.P. & Invest.	6	3	6	7	5
Personnel Center	0	0	1	0	2
Div. of Training	2	0	0	3	0
Bur. Eng. & Water Supply	5	3	6	3	2
Civil Defense Auxiliary	1	0	0	0	0
Special Details	0	2	0	0	0
Photo Unit	0	0	1	0	0

Vehicular Accidents

<u>Specialized Auxiliary Service (cont.)</u>	<u>75/76</u>	<u>76/77</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>
Bureau of Equipment	3	1	3	2	2
Bureau of Administration	0	0	0	1	3
Other Vehicles	<u>4</u>	<u>2</u>	<u>1</u>	<u>6</u>	<u>1</u>
TOTALS:	21	11	18	22	14
GRAND TOTAL:	151	107	105	104	113

Accidents by Classification  
Comparison  
Emergency and Non-Emergency Driving Combined

	<u>75/76</u>	<u>76/77</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>
Accidents:TOTAL	151	107	105	104	113
Judged Preventable	88	75	74	67	68
TOTAL Alarms	34,416	30,596	33,078	38,077	39,496

	<u>Kind of Accident</u>				
Collision with Fixed Objects Parked Vehicles, Bldg., Etc.	77	61	48	54	62
Moving Vehicles	55	37	43	38	41
Another S.F.F.D. Vehicle	10	5	2	4	4
Other	19	8	6	8	6
Intersection Col- lisions	22	35	15	14	14

Vehicle Accidents (cont.)Fire Department Vehicle Collided With

	<u>Fiscal Years</u>				
	<u>75/76</u>	<u>76/77</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>
A Moving Vehicle	55	37	43	38	41
A Parked or Stopped Vehicle	48	40	34	30	37
Another F.D. Vehicle	10	5	2	4	4
F.D. Bldg. or Object	19	17	20	24	25
Other	<u>19</u>	<u>8</u>	<u>6</u>	<u>8</u>	<u>6</u>
TOTAL:	151	107	105	104	113

What Fire Department Vehicle Was Doing

	<u>at Time of Accident</u>				
Moving Straight Ahead	46	31	39	42	49
Turning Right	16	14	11	10	14
Turning Left	16	14	8	6	10
Backing Into Quarters	38	21	5	17	12
Stopped	<u>22</u>	<u>15</u>	<u>23</u>	<u>17</u>	<u>14</u>
TOTAL:	138	95	86	92	99

Types of Accidents  
to Fire Department Vehicles

	<u>75/76</u>	<u>76/77</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>
Sideswipes	33	17	39	47	48
Right Angle	22	10	18	9	14
Rear Ends	41	25	14	13	13

Vehicular AccidentsTypes of Accidents (cont.)

	<u>75/76</u>	<u>76/77</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>
Front Ends	21	24	11	8	12
Other	6	6	11	8	12
No Damage**	<u>28</u>	<u>25</u>	<u>12</u>	<u>19</u>	<u>15</u>
TOTAL:	151	107	105	104	113

\*\*No Damage to S.F.F.D Vehicle

Vehicle AccidentsInjuries & Deaths

<u>Engine Company #</u>			<u>Engine Company # (cont.)</u>		
<u>77/78</u>	<u>78/79</u>	<u>79/80</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>
1 - 2	1		28 -	1	2
2 - 4	1	3	29 - 1		1
3 - 1	2	3	30 -		
4 - 1			31 - 1	1	
5 - 4	1		32 -	1	1
6 - 3	1		33 - 1		
7 - 5	2	2	34		
8 -			35 - 4	1	3
9 - 1	2	2	36 - 1	1	1
10 - 3	3		37 - 1	1	1
11 -	3	1	38 - 1		2
12 -	1	1	39 -		1
13 -	4	1	40 - 1	1	1
14 - 2			41 -	2	1
15 - 1	1	1	42 - 1	2	4
16 -	1		43 -		
17 - 1			44 -	1	
18 -					
19 -		1			
20 -	1				
21 - 4		1			
22 - 2	2	2			
23 -					
24 - 1	1				
25 -		1			
26 - 4					
27 - 1	1	1			



Vehicle Accidents  
Injuries & Deaths

<u>Truck Company #</u>			<u>Service Squad</u>		
<u>77/78</u>	<u>78/79</u>	<u>79/80</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>
1 - 1	1	5	1		1
2 - 1	4	2			
3 - 3	1	2	<u>Division #</u>		
4 - 3	1	6			
5 -	1	5	1 -		
6 - 1	2	1	2 - 1	1	2
7 - 2	1	3	3 - 1		
8 - 3		1			
9 - 1	3	1	<u>Battalion #</u>		
10 -	1				
11 - 2	2	1	1 -		1
12 -	1		2 -	3	
13 -	3	3	3 - 1	1	
14 -	2	1	4 -	1	1
15 - 1	2	2	5 - 1	1	2
16 - 1	1	2	6 - 2	1	1
17 -		2	7 - 1		
18 -	1		8 -		1
19 - 2		3	9 -		1
20 -		3	10 -	1	
<u>Rescue Squads</u>					
1 - 2	2	1			
2 - 1	2	3			

Lost Work Days

During the 1979-80 Fiscal Year, there were 831 Lost Work Day (LWD) injuries and there were 20,395 Lost Work Days for the 831 reported injuries.

A breakdown according to Company or Unit classification includes the following Lost Work Day Injuries and Lost Work Days

Two Year Comparison

	<u>Injuries</u>		<u>Lost Work Days</u>	
	<u>1978-79 &amp; 1979-80</u>		<u>1978-79 &amp; 1979-80</u>	
Engine Companies	405	411	7776	8983
Truck Companies	260	254	5734	5834
Rescue Companies	26	19	705	541
Airport Companies	33	51	1172	1913
Divisions 1, 2 & 3	14	13	622	857

## Lost Work Days

### Two Year Comparison (cont.)

	Injuries		Lost Work Days	
	<u>1978-79 &amp; 1979-80</u>		<u>1978-79 &amp; 1979-80</u>	
All Battalions	46	39	629	859
Fireboat Company	16	0	258	92
Division of F.P. & P.S.	16	13	436	444
All Others	25	31	796	872
	<u>841</u>	<u>831</u>	<u>18,128</u>	<u>20,395</u>

### Summary of Disability Injuries

The following is a list of injuries sustained by members of the Department during the Fiscal Year 1979-1980 and indicates where the injury occurred, the part of the body injured, the nature of the injury, what the injured person was doing when the accident occurred, how the injury occurred, and also injuries associated with false alarms.

#### Where Injury Occurred

1. Fires - - - - -	467
2. Other emergencies - - - - -	124
3. Stations or Department property - - - - -	141
4. Not on Department property (drills, details, etc.)- - - - -	42
5. Inspection work (any property) - - - - -	10
6. Emergency vehicular movement - - - - -	13
7. Non-Emergency vehicular movement - - - - -	1
8. Routine duties (Auxiliary Services)- - - - -	7
9. Not otherwise classified - - - - -	9

#### Part or Parts of Body Injured

1. Eye - - - - -	43
2. Head - - - - -	49
3. Neck (except respiratory system) - - - - -	36
4. Shoulder - - - - -	45
5. Arm - - - - -	22
6. Elbow - - - - -	31
7. Wrist - - - - -	22
8. Hand - - - - -	117
9. Back - - - - -	149
10. Leg - - - - -	36
11. Knee - - - - -	79
12. Ankle - - - - -	40
13. Foot - - - - -	61

### Part of Body Injured (cont.)

14. Trunk - - - - -	51
15. Respiratory system - - - - -	52
16. Chest pains - - - - -	23
17. Not otherwise classified - - - - -	33

### Nature of Injury

1. Burns except eyes, including chemical burns - - - - -	31
2. Burns, eyes - - - - -	5
3. Foreign body in eye or eye irritation - - - - -	41
4. Strains-sprains - - - - -	358
5. Bruises and contusions - - - - -	185
6. Hernias - - - - -	3
7. Lacerations - - - - -	55
8. Punctures - - - - -	21
9. Dislocations - - - - -	3
10. Fractures and suspected fractures - - - - -	25
11. Respiratory system (including smoke inhalation) - - - - -	54
12. Dermatitis (skin disorder) - - - - -	18
13. Cardio-vascular - - - - -	21
14. Not otherwise classified - - - - -	31

### What Injured Person was Doing When Accident Occurred

1. Handling hose - - - - -	194
2. Handling ladders - - - - -	43
3. Handling axes - - - - -	20
4. Handling ceiling hooks - - - - -	9
5. Handling Gleeson valves - - - - -	9
6. Handling salvage covers - - - - -	1
7. Handling other tools and equipment - - - - -	62
8. Handling other objects - - - - -	32
9. Ventilating - - - - -	23
10. Overhauling - - - - -	47
11. Rescue Work - - - - -	39
12. Locating fire - - - - -	53
13. Directing operations - - - - -	27
14. Controlling refrigeration break - - - - -	4
15. Servicing or operating apparatus - - - - -	19
16. Inspection work - - - - -	8
17. Involved in Vehicular collision - - - - -	9
18. Getting on or off apparatus - - - - -	89
19. Ascending or descending - - - - -	28
20. Sliding down pole - - - - -	4
21. Exercising - - - - -	9
22. Performing duties allied to cooking - - - - -	13
23. Not otherwise classified (specify) - - - - -	76

### How Injury Occurred

1. Struck against - - - - -	94
2. Stepped on - - - - -	28
3. Struck by - - - - -	120

How Injury Occurred (cont.)

4.	Caught in, on, or between - - - - -	22
5.	Tripped, slipped, or fell - - - - -	214
6.	Lifting or moving - - - - -	131
7.	Overexertion - - - - -	47
8.	Wetting - - - - -	2
9.	Exposure to temperature extremes - - - - -	11
10.	Inhalation - - - - -	54
11.	Irritation - - - - -	51
12.	Absorption - - - - -	4
13.	Contact with electrically charged objects - - - - -	1
14.	Contact with heated objects (includes heated water) - - -	16
15.	Grasped - - - - -	8
16.	Explosions - - - - -	0
17.	Backdrafts - - - - -	4
18.	Not otherwise classified - - - - -	41
INJURIES ASSOCIATED WITH FALSE ALARMS - - - - -		0

## DISCIPLINARY ACTION

August 1, 1979

H2 Firefighter James W. Podesta suspended for one (1) day - July 24, 1979 - for violation of Rules and Regulation, Section 3925 (Failure to Report for Duty).

October 3, 1979

H2 Firefighter Ronald R. Barney suspended for four (4) days - Oct. 3, 4, 6, & 7, 1979 - for violation of Rules and Regulations, Section 3911 (Altercations); Section 3916 (Ungentlemanly Conduct); Section 3919 (Obscene Language); and 3945 (Unauthorized Use of Property).

November 7, 1979

H2 Firefighter William Emde suspended for two (2) days - Oct. 27, 28, 1979 - for violation of Rules and Regulations, Section 3925 (Tardiness and Failure to Report).

November 21, 1979

H4 Inspector, BFP&PS Thomas J. Hall suspended for three (3) days - Nov. 20, 27, & Dec. 6, 1979 - for violation of Rules and Regulations, Section 3913 (Use of Intoxicants); Section 3921 (Inaptitude for Duty) and Section 3923 (Insubordination).

January 16, 1980

H2 Firefighter Howard Williams suspended for one (1) day - Jan. 6, 1980 - for violation of Rules and Regulations, Section 3925 (Failure to Report).

January 18, 1980

H10 Chief's Operator Robert Vergano suspended from Jan. 18, 1980 - May 28, 1980 - for Conduct Unbecoming a Member of the San Francisco Fire Department.

January 23, 1980

H2 Firefighter Eugene F. Maher suspended for two (2) days - Jan. 2, 3, 1980 - for violation of Rules and Regulations, Section 3925 (Failure to Report).

January 30, 1980

H2 Firefighter Stanley G. Sadler suspended for one (1) day - Jan. 25, 1980 - for violation of Rules and Regulations, Section 3925 (Tardiness and Failure to Report).

February 20, 1980

H2 Firefighter James W. Podesta suspended for two (2) days - Feb. 3, 4, 1980 - for violation of Rules and Regulations, Section 3925 (Tardiness and Failure to Report).

March 13, 1980

H2 Firefighter John H. Reed suspended for one (1) day - Mar. 7, 1980 - for violation of Rules and Regulations, Section 3913 (Use of Intoxicants).

April 2, 1980

H2 Firefighter James Podesta suspended for ten (10) days - Mar. 24, through Apr. 3, 1980 - for violation of Rules and Regulations, Section 2103 (Reporting for Details); Section 3917 (Unauthorized Absence from Stations); Section 392; (Inaptitude for Duty); and Section 3922 (Disobedience).

April 9, 1980

H2 Firefighter Rodrigo Izquierdo suspended for two (2) days - Mar. 30, 31, 1980 - for violation of Rules and Regulations, Section 3925 (Tardiness and Failure to Report).

April 16, 1980

H4 Inspector, BFP Thomas J. Hall suspended for ten (10) days - Apr. 10 through April 19, 1980 - for violation of Rules and Regulations, Section 3925 (Tardiness and Failure to Report).

May 14, 1980

7338 Utility Plumber Kimon Kaddas suspended for one (1) day - May 12, 1980 - for violation of Rules and Regulations, Section 3919 (Use of Obscene, Profane or Disrespectful Language), in accordance with Section 8.342 of the Charter.

May 21, 1980

H2 Firefighter James W. Podesta suspended for eight (8) days - Apr. 26, through May 6, 1980 - for violation of Rules and Regulations, Section 3925 (Tardiness and Failure to Report).

June 4, 1980

H2 Firefighter James W. Podesta suspended for two (2) days - May 24, 25, 1980 and further suspension effective May 30, 1980 pending hearing before Fire Commission - for violation of Rules and Regulations, Section 3905 (Unfamiliarity with Rules); Section 3915 (Incompetency); Section 3921 (Inaptitude for Duty); Section 3925 (Tardiness and Failure to Report); and Section 3947 (Residence, Telephone and Other Charges). Firefighter Podesta resigned effective June 3, 1980.



DIVISION  
OF  
FIRE FIGHTING





# DIVISION OF FIREFIGHTING

- . Uniformed personnel assigned to the four firefighting divisions - comprised of ten battalion districts and 47 fire stations - are responsible for extinguishing fires, saving life and property, rescues, cardio-pulmonary resuscitation, first aid, etc.
- . Perform daily building inspection, and high-rise inspection.
- . Maintain apparatus, equipment and fire stations, and perform daily drills.

	DIVISION 1	DIVISION 2	DIVISION 3	DIVISION 4 (Airport)
Personnel	418.3	622.3	437.4	60
Battalion Dist.	3	4	3	--
Fire Stations (Includes Fireboat)	12	17	15	3
H50 Assistant Chief	3.3	3.3	4.4	1
H40 Battalion Chief	12	18	12	--
H30 Captain	21	33	23	3
H20 Lieutenant	55	87	59	6
H10 Chief's Operator	17	21	17	1
H2 Firefighter	303	460	322	49
H110 Marine Engineer	4	--	--	--
H120 Pilot of Fireboat	3	--	--	--
TOTAL PERSONNEL 1538				

## Program Outputs:

A. Major Alarms	93
B. Total Fires	8,354
C. Resuscitations	2,219
D. Emergencies Other than Fires	6,874
E. Total Alarms	39,496

Related Costs 1979-1980 \$ 73,208,161



## FIREFIGHTING AND RESCUE SERVICES

### Headquarters Chief Officers

#### DIVISION NO. 1 Station No. 13

#### Division No. 1

530 Sansome Street

Battalion No. 1	Station No. 2	1340 Powell Street
Battalion No. 2	Station No. 36	109 Oak Street
Battalion No. 3	Station No. 8	36 Bluxome Street

#### DIVISION NO. 2 Station No. 5

#### Division No. 2

1301 Turk Street

Battalion No. 4	Station No. 38	2150 Calif. Street
Battalion No. 5	Station No. 21	1443 Grove Street
Battalion No. 7	Station No. 31	441 - 12th Avenue
Battalion No. 8	Station No. 40	2155 - 18th Avenue

#### DIVISION No. 3 Station No. 7

#### Division No. 3

2300 Folsom Street

Battalion No. 6	Station No. 11	3880 - 26th Street
Battalion No. 9	Station No. 15	1000 Ocean Avenue
Battalion No. 10	Station No. 9	2245 Jerrold Avenue

#### Division of Airports

San Francisco International Airport  
Airport Rescue Company No. 1, No. 2  
and No. 3

### Department Buildings

The following is a list of the number of buildings that station the various units of the Department:

- 1 - Department Headquarters
- 43 - Company Stations
- 2 - Airport Company Stations
- 1 - Division of Training
- 1 - Communications Center
- 1 - Bureau of Equipment
- 1 - Pumping Station (High Pressure System)
- 1 - Reservoir Station (High Pressure System)
- 2 - Warehouses (Storage)
- 1 - De-activated Company Station
- 1 - Pipe Yard Station (High Pressure System)

## FIREFIGHTING AND RESCUE SERVICES

This summary is the result of output reports generated by our Command and Control Computer System. Some categories are presented in broad detail for the sake of clarity and to give an indication of what general areas may be of concern. We have the capability within our computer system to extract information in much greater detail should the need arise to do an in depth analysis of a particular aspect of the fire or incident activity problem.

We believe this to be a more meaningful presentation of the Department's incident activity.

### Recapitulation of Fire Department Response:

	<u>1978-1979</u>	<u>1979-1980</u>
Total Fires - - - - -	8,470	8,354
False Alarms - - - - -	11,908	13,211
Emergency Other than Fire - - - - -	17,065	17,931
(Resuscitations) - - - - -	(2,235)	(2,219)
Total Alarms - - - - -	37,443	39,496
Major Alarms - - - - -	115	93

### Summary of Incidents by Type

#### Fires

Unknown Type Fire - - - - -	6
Building Fire - - - - -	2,898
Trees, Brush, Grass - - - - -	1,291
Vehicle Fire - - - - -	1,293
Refuse Fire - - - - -	2,608
Outside Structure - - - - -	104
Explosion - - - - -	8
Outside Spill/Leak Mobile Home Fire - - - - -	2
Other Fire - - - - -	144
TOTAL - - - - -	8,354

#### False Alarms

Malicious/Mischief - - - - -	12,080
Bomb Scare, No Bomb - - - - -	36
System Malfunction - - - - -	637
Unintentional - - - - -	458
TOTAL - - - - -	13,211

#### Emergency Other than Fire

##### Rescue Calls

Resuscitation-Positive - - - - -	1,801
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### Rescue Calls (cont.)

Resuscitation-Negative	- - - - -	418
First Aid	- - - - -	3,861
Rescue/Extrication	- - - - -	166
Potential Jumper	- - - - -	42
Elevator/Escalator	- - - - -	317
Trapped in Auto	- - - - -	226
Cliff/Landslide	- - - - -	29
Aircraft Incident	- - - - -	3
Drowning	- - - - -	11
TOTAL	- - - - -	6,874

### Overpressure

Steam Rupture	- - - - -	44
Air/Gas Rupture	- - - - -	22
Water Heater/Boiler	- - - - -	115
TOTAL	- - - - -	181

### Hazard Conditions

Washdown Blood	- - - - -	22
Washdown Gas/Oil etc	- - - - -	1,791
Explosive Removed	- - - - -	8
Excessive Heat	- - - - -	224
Power Lines Down	- - - - -	155
Arc/Short Electric	- - - - -	430
Refrigeration Leak	- - - - -	68
Smell of Natural Gas	- - - - -	277
Building Collapse	- - - - -	11
Aircraft Alert	- - - - -	31
TOTAL	- - - - -	3,017

### Good Intent Calls

Smoke Scare/Smell	- - - - -	1,247
Wrong Location	- - - - -	20
Control Burn	- - - - -	18
Alarm Bell Ringing	- - - - -	821
Recall/No Service	- - - - -	258
TOTAL	- - - - -	2,364

### Service Calls

Cover a Window	- - - - -	299
Lock out/Lock in	- - - - -	735
Water Removal	- - - - -	862
Smoke/Odor Removal	- - - - -	87
Animal Rescue	- - - - -	29
Assist Police	- - - - -	163
Broken Hydrant	- - - - -	241
Boat Sinking	- - - - -	95
Loose Structure	- - - - -	75
TOTAL	- - - - -	2,606

Other	- - - - -	2,889
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#### Fires - Source of Heat of Ignition

Heating Systems	- - - - -	170
Cooking Equipment	- - - - -	764
Air Conditioning Equipment	- - - - -	30
Electrical Distribution Equipment	- - - - -	410
Electrical Appliances	- - - - -	141
Special Equipment	- - - - -	306
Processing Equipment	- - - - -	19
Service Equipment	- - - - -	45
Smoking Material	- - - - -	3,618
Other Objects	- - - - -	2,412
Undetermined	- - - - -	191

#### Fires - Type of Material Ignited

Gas	- - - - -	62
Flammable Liquid	- - - - -	766
Volatile Solid	- - - - -	341
Chemical - Metal - Plastic - Paint	- - - - -	121
Natural Product	- - - - -	1,818
Fabric - Textile - Fur	- - - - -	961
Material with Oil	- - - - -	53
Other	- - - - -	171
Undetermined	- - - - -	193
Wood - Paper-	- - - - -	3,660

#### Fires - Number and by Property Class

Public Assembly	
Amusement-Fixed	- - - - - 15
Amusement-Variable	- - - - - 4
Churches	- - - - - 18
Clubs	- - - - - 14
Libraries, Courts	- - - - - 5
Eating, Drinking	- - - - - 105
Terminals, Station	- - - - - 10
Theaters	- - - - - 8
Educational	
School, Non-resident	- - - - - 56
Business Schools	- - - - - 15
Universities	- - - - - 4
School, Residential	- - - - - -
Institutional	
Care of the Aged	- - - - - 10
Care of the Young	- - - - - -

# Institutional (cont.)

Sick or Injured	- - - - -	71
Physical Restraint	- - - - -	6

## Residential

One & Two Family	- - - - -	608
Apartments	- - - - -	1,490
Rooming House	- - - - -	6
Hotel	- - - - -	244
Motel	- - - - -	8
Dormitory	- - - - -	5
Other	- - - - -	2

## Store & Office

Food, Beverage	- - - - -	38
Textile, Clothing	- - - - -	8
Household, Repair	- - - - -	10
Specialty	- - - - -	21
Recreation	- - - - -	11
Professional	- - - - -	29
Motor Vehicle	- - - - -	13
General Item	- - - - -	14
Offices	- - - - -	100

## Basic Industry

Communications	- - - - -	8
Utilities	- - - - -	57
Agriculture	- - - - -	1
Forestry	- - - - -	4
Mineral Products	- - - - -	-
Nucleonics	- - - - -	-
Laboratories	- - - - -	-

## Manufacturing

Food	- - - - -	18
Beverage, Tobacco	- - - - -	2
Textiles	- - - - -	2
Wearing Apparel	- - - - -	8
Wood, Paper	- - - - -	25
Chemical	- - - - -	4
Metal	- - - - -	12
Vehicle	- - - - -	2
Other	- - - - -	7
Unclassified	- - - - -	8

## Storage

Textile	- - - - -	1
Food, Tobacco	- - - - -	4
Petroleum, Alcohol	- - - - -	1
Wood, Paper	- - - - -	6

Storage (cont.)	
Chemical, Plastic	- - - - - 2
Metal	- - - - - 5
Vehicle	- - - - - 22
General	- - - - - 57
Agricultural	- - - - - 1

Special Properties	
Construction	- - - - - 30
Special Structures	- - - - - 11
Outdoor	- - - - - 1,293
Road	- - - - - 2,462
Equipment Areas	- - - - - 4
Railroad	- - - - - 1
Aircraft Areas	- - - - - 1

Mobile Property	
Road-Passenger	- - - - - 1,154
Road-Freight	- - - - - 112
Rail Transport	- - - - - 11
Water Transport	- - - - - 7
Air Transport	- - - - - 1
Heavy Equipment	- - - - - 11
Special Vehicles	- - - - - 1
Unclassified	- - - - - 50

### Source of Alarms

Telephone Alarms	
Total	- - - - - 26,378
Actual Incident	- - - - - 23,508
Telephone/False Alarm	- - - - - 2,870
Telephone - Per Cent Actual	- - - - - 89.11%
Telephone - Per Cent False	- - - - - 10.89%

Street Box Alarms	
Total	- - - - - 13,118
Actual Incident	- - - - - 2,870
Street Box/False Alarm	- - - - - 10,341
Street Box - Per Cent Actual	- - - - - 21.17%
Street Box - Per Cent False	- - - - - 78.83%

Major Alarms - - - - - 93

Second Alarms	- 65	Fourth Alarms	- 7
Third Alarms	- 19	Fifth Alarms	- 2



Hotels	-	2
Automobiles	-	1

Under fifteen years of age	0	0%
Fifteen thru Sixty-four years of age	8	66 2/3%
Sixty-five years of age and over	4	33 1/3%
	<u>12</u>	<u>100.000%</u>

Smoking Materials	10
Heating/Cooking	1
Incendiary	1
TOTAL	<u>12</u>

Salvage and roof covers spread	- - - - -	420
Covers removed at the conclusion of operations	- - - - -	211

## Salvage Operations (cont.)

Covers returned during the free rental period - - - - -	124
Covers for which charges were made - - - - -	85
Roofing paper used (rolls) - - - - -	92
Polyethylene plastic used (rolls) - - - - -	71
Sprinkler heads replaced - - - - -	265
Rental fees collected for covers left over free period	\$2,891.00
Rental fees remaining uncollected - - - - -	\$785.00

## Water Rescue and Firefighting Scuba Unit

Although firefighting is the primary function of the water rescue team, the unit also responds to such incidents as Ocean Beach and Bay rescue attempts, small craft emergencies, and to Coast Guard Rescue Service assist calls.

Ironically repeating one of last year's major incidents, the water rescue team took part in extinguishing another fire at Pier #45. Both rescue squads and divers from other companies throughout the city responded to the alarm. Hose leads were made under the pier to the seat of the fire. Such a maneuver would have been difficult if not impossible to complete without utilizing the skills of the 15 divers called to the scene.

Water rescue service for the Fiscal Year 1979-1980 consisted of the following operations:

Emergency Runs	- 47	Service-Hours	- 58
Drills	- 12	Training-Man Hours	- 387

## DIVISION OF AIRPORTS

### Organization

Division 4 Airport is composed of a Division Headquarters and three (3) subordinate companies. The Division and Airport Companies 1 and 3 are located in Rescue Station #1. Airport Company #2 is located in Rescue Station #2. Division Training is in Division Headquarters and the Fire Prevention office is in the Airport Engineering Building.

The Division Chief, Fire Inspector, Training Officer and Assistant Training Officer work a five (5) day week, 0800 to 1700 hours, and are subject to recall in their off-duty status. All other personnel work the standard tour of duty for the San Francisco Fire Department.

### Training

Division 4 training is conducted daily. Supervision is under the Division Chief and is conducted by the Division Training Officer and Company Officers. Guidelines for training are FAA Advisory Circulars,

the National Fire Science Training Center and applicable San Francisco Fire Department Training Manuals. Division 4 operates drills from a separate schedule of drills pertinent only to this Division. Evaluation and inspection of training is conducted by the FAA during the annual Airport Certification Inspection.

Instituted this year is an annual Individual Evaluation and Certification Examination. Each firefighter assigned to Division 4 is tested on his ability to operate his apparatus and perform the specific requirements of his job. Testing is conducted within sixty (60) days of the man's birthday.

### Responsibilities

Division 4 is responsible for the following:

1. Aircraft Crash-Fire-Rescue (CFR) protection to the standards specified in Department of Transportation (DOT) Regulation Part 139 and to applicable Federal Aviation Administration (FAA) Advisory Circulars (AC).
2. Structural fire protection to appropriate local, state and national codes.
3. Emergency first-aid and resuscitation.
4. Water rescue in waters adjacent to San Francisco Airport.
5. Fire Prevention and Investigation.
6. Training (see above).
7. Administrative management.

### Certification

Division 4 has been certified by the DOT as meeting the requirements of Part 139 for Class 'E' airports. This was confirmed during the annual inspection conducted by the Western Regional Office of the FAA in February of 1980.

### Company Structure

#### Airport #1 Crash-Fire-Rescue

M-37 - One officer and two firefighters - 4000 gal CFR Unit  
M-39 - Two firefighters - Rapid Intervention Vehicle (RIV)  
1000# Monnex, 250 # Halon and Foam  
M-36 - One firefighter - Boat, tanker and scuba rescue

#### Airport #2 Crash-Fire-Rescue

M-34 - One officer and two firefighters - 3000 gal. CFR Unit  
M-35 - Two firefighters - 3000 gal. CFR Unit

### Airport #3 Structural

M-32 - One officer and one firefighter	- Standard pumper
M-33 - Two firefighters	- 75' Aerialscope
M-43 - Two firefighters (EMT's)	- First Aid Unit

### Emergency Alarms

Classification of alarms is: Alert #1, a potential aircraft accident or emergency, but aircraft is not expected to land for at least five (5) minutes; Alert #2 is an accident or emergency in progress or imminent; and others are self-explanatory.

Alert #1	-	123	Fuel Spills	-	149
Alert #2	-	29	Code 10	-	55
Fire Alarms	-	973	Total Fire Alarms	-	2,662
First Aid	-	1,333	Total Service	-	1,697.10 hrs.

## MERITORIOUS COMMENDATIONS

The Fire Commission accepted the recommendations of the Fire Department Merit Advisory board concerning Meritorious Awards to the following Department members:

### Class "B" Awards

Lieutenant William Keating	Firefighter Gary Tishma
Lieutenant Tilden Hansen	Firefighter Leroy Character
Lieutenant Harry Vogl	Firefighter George Nelson

### Class "C" Awards

Captain William Cochrane	Firefighter Lawrence Ahearn
Lieutenant William Murray	Firefighter James Crabtree
Lieutenant Ken Conroy	Firefighter Michael Nolan
Lieutenant Robert Boudoures	Firefighter Richard Williams
Lieutenant James Lyons	Firefighter Steve Parrott
Lieutenant Mel Patsef	

### Class "D" Awards

Battalion Chief Edward Phipps	Firefighter Frank Martorana
Firefighter William Moe	Firefighter Thomas McDonagh
Firefighter Richard Allen	Firefighter Charles Johnson

There were seven (7) Unit Citations, twelve (12) Letters of Commendation and thirty-one (31) Certificates of Merit to citizens awarded during Fiscal Year 1979-1980.





DIVISION  
OF  
FIRE PREVENTION  
AND  
INVESTIGATION





DIVISION OF FIRE PREVENTION  
AND INVESTIGATION

- . Inspect occupancies to insure compliance with State & City laws concerning fire prevention and fire control
- . Administer Commercial, Residential Inspection Safety Program (CRISP) and hazardous materials procedures.
- . Investigate origin of fire of suspicious nature
- . Administer Arson Task Force

. 1 - H50 Assistant Chief P

BUREAU OF FIRE PREVENTION AND  
PUBLIC SAFETY

Four major components are District Inspections, Administration, Public Safety and Education and Bureau of Building Inspection. Performs High-rise, CRISP and Title 19 Inspections.

2 - H32 Captain, BFP&PS	P
4 - H22 Lieutenant, BFP&PS (Includes Port Fire Marshal)	P
34 - H4 Inspector, BFP&PS (Includes Airport Insp.)	P
1 - 1446 Sr. Clerk Steno.	P
1 - 1426 Sr. Clerk Steno.	P
1 - 1424 Clerk Typist	P

BUREAU OF FIRE INVESTIGATION

Investigates origin of fire of suspicious nature and administers Arson Task Force.

1 - H24 Lieutenant, BFI	P
9 - H6 Investigator	P
1 - 1424 Clerk Typist	P
1 - 1424 Clerk Typist	CETA

Program Outputs:

1979-1980

A. Total Number of Building Inspections	28,847
B. Code Violations/Corrections	51,842
C. Fire Investigation and Arrests & Dispositions	2,972
D. Plan Checks, Permits Issued	4,433

Related Costs 1979-1980 \$ 3,053,688



## DIVISION OF FIRE PREVENTION AND INVESTIGATION

During the Fiscal Year of 1979-1980, the Bureau of Fire Prevention and Public Safety operated with reduced personnel complement due to retirements and deficiency of replacements.

These shortages required curtailment of certain inspection activities; namely, Public Assembly and Night Club Detail, R.A.P., School, High Rise, and Alteration Plan Checking. Additionally, seven District Inspectors were required to be responsible for two Districts,. However, the Bureau was able to adjust and process complaints and required permits.

### BUREAU OF FIRE PREVENTION

The operations of the Bureau of Fire Prevention for the Fiscal Year 1979-1980 are reported in statistical form as follows:

#### Inspections and Corrections

Total Number of New Inspections	15,107
Total Number of Reinspections	13,740
Total Number of Inspections	28,847
Total Number of Corrections Obtained	49,973

Of the total number of Inspections listed above, 1,205 were Special Complaints, of which 742 were abated, and 91 were Special Investigations of structures involved in Greater Alarms of fire.

#### Permit Processing

Fire Department Permits - Three hundred seventeen (317) applications for Fire Department Permits were filed in this Division. Posting and filing fees collected with these applications totaled \$16,271.00.

Building Permits - The following jobs were reviewed by Fire Inspectors assigned to the Bureau of Building Inspection.

Five hundred thirty-two (532) new Building Construction Plan Applications; two hundred ninety-five (295) Preliminary Plan Checks; two hundred seventy-two (272) Counter Plan Checks and fifty-six (56) On-Site Inspections.

One thousand six hundred fifty-two (1,652) Alteration Plan Applications were checked and reviewed; one thousand five hundred sixty-two (1,562) Consultations were held and one hundred twenty (120) Field Inspections were accomplished.

One thousand seven hundred and forty (1,740) Applications for Building Permits were processed and forwarded to District Fire Inspectors assigned to Headquarters for continuing inspection of construction until completion and acceptance.

#### Occupancy Permits

Department of Public Health - - - - -	602
Department of Public Works - - - - -	52
Department of Social Services - - - - -	173
Police Department - - - - -	364
State Fire Marshal - - - - -	<u>562</u>

GRAND TOTAL	----	1,753
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#### Miscellaneous Reports and Communications

- 1) Four hundred twenty-eight (428) reports from Battalion Chiefs were received concerning special building inspections and these reports were processed for investigation and abatement of violations.
- 2) One thousand eight hundred sixty-nine (1,869) Notices of Code Violations were issued to obtain compliance with state and local safety codes.

#### Fire Prevention Corrections

Automatic Sprinkler Heads Inspected/Replaced - - - -	803
Automatic Sprinkler Systems - - - - -	-
Installed/Extended/Repaired/Tested - - - - -	1,083
Buildings Boarded Up - - - - -	4
Buildings Razed - - - - -	0
Egress, Additional Means Provided - - - - -	61
Emergency Procedures Developed - - - - -	126
Exit Doors, Installed/Altered - - - - -	416
Exit Obstructions Removed - - - - -	498
Fire Alarm Systems Installed - - - - -	502
Fire Alarm Pull Boxes/Bells Tested - - - - -	8,809
Fire Doors & Door Closers Installed/Repaired - - - -	622
Fire Escapes Installed/Repaired - - - - -	122
Fire Escape Obstructions Removed - - - - -	83
Fire Extinguishers & Extinguishing Systems - - - -	-
Installed/Serviceed/Tested - - - - -	5,056
Flammable Gas & Liquid Storage - - - - -	65
Hoses & Nozzles Installed/Removed - - - - -	41
Metal Bins & Covers Provided - - - - -	244
Miscellaneous Corrections Obtained - - - - -	8,592
Miscellaneous Fire Hazards Removed - - - - -	<u>3,215</u>

## Fire Prevention Corrections

### Product of Combustion Detectors

Installed/Service/ed/Tested	- - - - -	-15,844
Rubbish Conditions Removed	- - - - -	144
Signs & Lights Installed/Replaced/Repaired	- - - - -	4,359
Stairways, Installed/Enclosed/Repaired	- - - - -	-79
Stairways, Obstructions Removed	- - - - -	-17
Standpipes, Installed/Repaired/Altered	- - - - -	275
Total Corrections Obtained	- - - - -	-51,060

## Hazardous Materials Annual Report 1979-1980

The Hazardous Materials Program is managed by Fire Prevention Inspector Michael J. Patterson. This program is primarily concerned with the removal of Hazardous and Explosive substances from the City's schools, hospitals, medical laboratories, industry and homes. Of primary concern, is the identification, inspection, upgrading and permit granting of/to those occupancies and the manufacturing, using, processing, storing and transportation of HM's within the City.

A basic HM Reference Library is maintained by the HM Branch and an effort is constantly being made to stay current with the hundreds of changes to Federal, State and Local government HM requirements.

The HM inspector is part of the Department's multi-agency hazardous materials response team and is on 24-hour call. It performs gas and vapor analyses at Greater Alarm Fires and when specially called.

## C.R.I.S.P. Annual Report 1979-1980

The Commercial Residential Inspection Safety Program is administered by the Bureau of Fire Inspection. On-Site Inspections are made by the Fire-fighting Forces (Suppression).

The C.R.I.S.P. inspection program is primarily designed for entry-level survey tasks of approximately 21,600 Business/Residential buildings. The Fire Companies enforce City Municipal Codes but issue of Notices of Violations to Owner/Occupants and verify compliance during follow-up inspections.

The program has emerged from one involved with selected Fire Companies and areas to a city wide expansion of inspections by all Fire Companies. Two special C.R.I.S.P. Task Force inspection programs were done in the Mission and Tenderloin areas, in addition to the normal annual C.R.I.S.P. inspection cycle.

In-Service, upgrade briefings are conducted by C.R.I.S.P. Director Inspector Leonard R. Carlson, on an ongoing basis for all the Fire Suppression Personnel.

C.R.I.S.P. Progress Totals, to date, are:

	<u>Inspections</u>	<u>Entities</u>	<u>Violations</u>	<u>Corrections</u>
1977/78	977	1,386	188	153
1978/79	2,707	5,068	604	565
1979/80	4,024	7,453	1,175	928

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During the Fiscal Year of 1979-1980, the High Rise Inspector conducted two thousand five hundred seventy (2,570) inspections of existing high rise buildings, pursuant to the enforcement of recently adopted regulations in Section 17.33 of Title 19, California Administrative Code. Also, in this regard, he attended one hundred eighty-six (186) meetings.

As previously reported, the night Public Assembly Detail has been curtailed. However, two (2) Inspectors are working the Public Assembly Detail on Thursday, Friday and Saturday nights, respectively, on an overtime basis.

#### ANNUAL REPORT FIRE PREVENTION EDUCATION

The Fiscal Year 1979-1980 introduced many varied and innovative Public Education Programs to the empirical concept of Fire Prevention.

Programs developed included the Sherman School "Learn Not To Burn" Program; a joint San Francisco Fire Department/San Francisco Junior League Poster Contest; Fire Prevention Week activities; High Rise Safety Curriculum; Chief Officer Speakers Bureau Outlines; Preschooler Workbook development; Scald/Burn Poster; Firesetter Education Program and the Multi-Cultural Awareness Program. Additionally, numerous lectures were given before different groups of target populations such as Preschoolers, Handicapped Children, Emotionally Disturbed Teenagers, Corporations, Senior Citizens and Adults.

Lt. Thomas Nyhan attended the 5th Annual Public Educator's Conference at Airlie, Virginia; the National Safety Council's Conference on the Inner City Fire Problem; the United States Fire Administration's PEAP/MEDIA Conference in Phoenix, Arizona and the California State Fire Academy at Asilomar.

Lt. Nyhan was appointed by the State Fire Marshal to membership on the State's Public Education Committee, and was elected to the position of First Vice President of the California Conference of Arson Investigators.

#### Juvenile Firesetters Program

The U.S. Fire Administration awarded a research grant to the San Francisco Fire Department this year to develop a volunteer counseling program for

recurrent juvenile firesetters.

The program was developed after new statistics indicated that chronic firesetters are predominantly fatherless boys.

Firefighters who volunteer for the program will receive counselor training from psychologists. After the training, firefighters will be matched on an individual basis with these boys to provide them with the Role Models these children lack.

It is expected that this approach will result in a reduction in recidivism among the chronic juvenile firesetters in the study. If this means of treatment has a demonstrable success rate, it will result in an economical non-punitive means of helping these children.

#### "Learn Not to Burn" Program

A comprehensive fire prevention education program, "Learn Not to Burn," will begin in the San Francisco Public Schools in the Fall of 1980, as a result of private contributions.

Private contributors to the "Learn Not to Burn" Program include: Bank of America Foundation, Pacific Telephone, Fireman's Fund Insurance, Eureka Federal Savings, McDonald's Corporation, British Motors of San Francisco, Richard Goldman Insurance Company, Shaklee Corporation and Chevron, U.S.A.

The program will provide an in-service workshop for over six hundred (600) 2nd, 5th, and 7th grade teachers. After completion of training, these educators will teach fire prevention and safety to fifteen thousand (15,000) 2nd, 5th and 7th graders for a total of ten hours (10 hours) of instruction per year.

#### PORT FIRE MARSHAL

#### SAN FRANCISCO PORT COMMISSION

This report summarizes, in brief, the operations and associated activities of the Port Fire Marshal during the fiscal year 1979-1980.

The basic function of the Port Fire Marshal is to maintain an active, functional fire prevention program which includes inspecting, regulating and controlling quantities and storage of hazardous cargo, inspecting the job-site and issuing welding, burning and fumigation permits, enforcing the Fire Code, abating violations and reviewing plans for alterations and/or new construction to ensure compliance with applicable codes and regulations.

The Port Fire Marshal functions as Liaison Officer between the Fire Department, the Port Commission, ship owners, repair companies and transit



companies in matters of Fire Prevention, Fire Suppression and related conditions.

Approximately thirty (30) welding and burning permits are issued to contractors on a monthly basis for utility and general maintenance purposes. Additional permits and certificates are issued that require on-site inspections. These permits involve welding and burning on ships or vessels, hazardous cargo and fumigations. Further activities are listed below in more detail.

Inspection of Piers and Buildings - - - - -	460
Reinspections of Piers and Buildings- - - - -	215
Total Number of Inspections - - - - -	675
Plan Checking - New Construction - - - - -	86
Plan Checking - Alterations - - - - -	85
Total Number of Plan Checks - - - - -	171
Lectures and First-Aid Demonstrations - - - - -	59
Welding and Burning Permits - - - - -	270
Welding and Burning Inspections - - - - -	272
Other Permits Issued - - - - -	264

#### ANNUAL REPORT

#### AIRPORT FIRE MARSHAL

The Airport Fire Marshal reviews all construction plans that are submitted by private contractors and the San Francisco International Airport Engineering and Maintenance Division. He further inspects all buildings in various stages of construction to ascertain that all Federal, State and County codes relating to fire protection are followed.

The Airport Fire Marshal is also responsible for inspections of existing buildings to insure that tenants maintain authorized fire protection systems and safety procedures.

The Airport modernization and replacement program, although somewhat decelerated in recent months, is again progressing towards its goals of providing a modern, safer and more functional airport facility. Further activities are listed below in more detail.

#### Fire Prevention and Investigation

Plan Checking - New Construction - - - - -	134
Plan Checking - Alterations - - - - -	124
Total Number of Plan Checks - - - - -	258
Welding & Burning Permits - - - - -	164
Fire Prevention Classes Instructed - - - - -	27
Fuel Spills Investigated - - - - -	31
Fuel Tank Trucks Inspected - - - - -	41
Emergency Night Calls - - - - -	9
Fire Marshal Meetings Attended - - - - -	23



## Airport Fire Prevention and Investigation

Airport Administration Meetings Attended	- - - - -	65
Underground Fuel Tanks Inspected	- - - - -	17
Buildings Inspected	- - - - -	123
Buildings Reinspected	- - - - -	163
Total Number of building Inspections	- - - - -	286

## BUREAU OF FIRE INVESTIGATION

During the Fiscal Year of 1979-1980, the Bureau of Fire Investigation responded to one thousand nine (1,009) incidents involving deaths, explosions, suspicious and greater alarm fires, and injuries.

The Special Investigations and Greater Alarms (totaling one thousand nine (1,009)) resulted in five hundred forty Incendiary Fires for the Fiscal Year. This was a reduction of nine (9) fires from the five hundred forty-nine (549) Incendiary Fires identified during the Fiscal Year of 1978-1979. There was a marked reduction in the number of Fire Deaths for the year. Fire fatalities totaled thirteen (13) which is a decrease of twenty-one (21) from last year's total.

All members of the Bureau having completed an approved Arrest and Firearms Course in order to maintain their peace officer status as required by Section 832 of the California Penal Code, will now complete an advanced Police Officer Training Program.

The Bureau of Fire Investigation is now composed of nine (9) permanent Fire Investigators and one (1) Lieutenant; with one (1) proposed Fire Investigator in the Fiscal Year of 1980-1981.

## Field Activities

### 1. Investigations of Fires

Special Investigations	- - - - -	925
Follow-up Investigations	- - - - -	1,904
Incendiary Origins	- - - - -	540
Greater Alarms	- - - - -	84
Undetermined Origins	- - - - -	8
Burn Cases	- - - - -	58
Deaths	- - - - -	12

2. Special Complaints Referred from Bureau of  
Fire Prevention Investigation - - - - - 12

Follow-up Investigations - - - - - 8

### Office Activities:

Four thousand nine hundred forty-nine dollars (\$4,949.00) was collected and deposited in the General Fund for the processing and sale of copies of Fire Reports to insurance companies and other interested parties.

### ARSON TASK FORCE

The Fiscal Year of 1979-1980 has been a year of growth and change for the San Francisco Arson Task Force (SFATF). This unit is divided into three (3) standing Committees: 1. Law Enforcement, 2. Related Industries Committee, and 3. Community Support Committee.

The Law Enforcement Committee consists of the San Francisco Fire Department's Bureau of Fire Investigation, two (2) San Francisco Police Department Police Inspectors, one (1) Assistant District Attorney and a District Attorney's Investigator on a full-time basis. One (1) Agent from the Federal Bureau of Investigation and one (1) Agent from the Criminal Intelligence Division of the Internal Revenue Service are assigned by their respective agencies as Liaison Officers to the Task Force. The Insurance Crime Prevention Institute has three (3) Resident Agents who assist in Arson Fraud investigations in the Bay Area. They, also, are members of the Task Force.

In the proposed table of organization, the District Attorney's office member is the head of the Criminal Investigation and Prosecution section of the Law Enforcement Committee.

The Related Industries Committee is comprised of eight (8) insurance executives and the Task Force is actively seeking one (1) member, each, from the banking and real estate industries.

The Related Industries is now planning to sponsor a workshop to train Adjusters in Fire Investigation. The course will be given about September 1, 1980.

The SFATF has established an Insurance Liaison Committee consisting of twenty-eight (28) Senior Claims Managers from companies writing over 95% of the fire insurance in California. These people are the contact personnel for supplying students for the Fire Investigation Course as well as insurance information.

The Insurance Liaison Committee has established an Arson Award (reward) Program through the San Francisco Chamber of Commerce. This pro-

gram will allow immediate award setting and posting of a suspected arson building fire in hopes of eliciting information in a timely fashion. A meeting in May, 1979 in Washington, D.C. resulted in a grant from the United States Fire Administration to the San Francisco Arson Task Force. This grant has been renewed for one (1) year - - - - 7/80 to 7/81.

The Community Support Committee was formed by the Coordinator of the Arson Task Force under the direction of the Chairman of the Arson Task Force (Chief of Department, Andrew C. Casper). It consists of concerned citizens from various business, labor, and community groups. It is geared toward reaching the public sector for support and interchange of information. The Committee is sponsoring the Juvenile Firesetters Prevention Program. Public support will be needed for future legislative action, among other facets, for an all-out fight against this malignancy.

In this fiscal year, the San Francisco Arson Task Force generated two hundred forty-seven thousand five hundred eighty-two dollars (\$247,582.00) in Federal Funding with no cost to the City. Aetna Life and Casualty Insurance Company has provided to the Arson Task Force twenty-two thousand two hundred twenty-two dollars (\$22,222.00) as part of a matching fund requirement.

Arson Task Force Prosecution Section  
Law Enforcement and Prosecution Division

Felony Cases Referred for Prosecution

(Including Arrests & Warrant Requests)

Number charged with arson, a felony - - - - -	49
Number charged with a misdemeanor - - - - -	14
Number not charged at all - - - - -	3
Total Cases Referred for Prosecution - - - - -	66

Arson Cases Active During Period

Pending at beginning of period - - - - -	14
New cases accepted during the period - - - - -	49
Total Active Cases - - - - -	63

Disposition of Cases During Period

Felony convictions - - - - -	31
Misdemeanor convictions upon reduction of - - - - -	
charges from felony - - - - -	8
State Hospital commitments - - - - -	0
Total Convictions/Commitments - - - - -	39
Aquittals - - - - -	1
Dismissals - - - - -	5
Total Completed Cases - - - - -	45
Cases Pending at End of Period - - - - -	18

Arson Task Force Prosecution Section (continued)

Juveniles

Cases Held Under Juvenile Jurisdiction - - - - -	15
Not Cited - - - - -	23



DIVISION  
OF  
PLANNING  
AND  
RESEARCH



## DIVISION OF PLANNING AND RESEARCH

- Administers the repair, purchase and disposal of real property
- Prepares Capital Improvement Program
- Responsible for Bond Issues relative to fire station construction and repair
- Serves on Inter-departmental Staff Committees on Traffic and Transportation
- Administers Computer Program
- Responsible for Ashbury and Jones Street Tank and supervises Bureau of Engineering and Water Supply (including 2 Pumping Stations)

1 - H50 Assistant Chief	P
1 - 14446 Clerk Stenographer	P
1 - 1422 Jr. Clerk Typist	CETA

## BUREAU OF WATER SUPPLY AND ENGINEERING

- Responsible for maintenance, operation, repair, and planning in connection with Auxiliary Water Supply System
- Maintains 7,776 low pressure hydrants, 1383 high pressure hydrants, and 150 street cisterns
- Consults with Fire Department and other City agencies on engineering problems
- Supervises 2 Pumping Stations

1	5258 Sr. Mechanical Engineer	P
1	7230 Water Sys. Supervisor I	P
1	7323 Water Sys. Asst. Supervisor I	P
12	7388 Utility Plumber	P
2	7514 General Laborer	P
2	7205 Chief Stationary Engineer	P
9	7334 Stationary Engineer	P

### Program Outputs:

1979-1980

A. Hydrants Serviced/Repaired .....	5,021
B. High Pressure Gates Operated .....	203
C. Standpipes Serviced .....	87
D. Standpipes Tested .....	45
E. Requests For Maintenance .....	1,171
& Repairs Processed	

Related Costs 1979-1980 \$ 964,322





## DIVISION OF PLANNING AND RESEARCH

The Division of Planning and Research performs many roles in support of the operating forces of the San Francisco Fire Department. The following are just a few of the functions: station construction, station maintenance, overseer of the Auxiliary Water Supply System, consultant to developers of new construction regarding Fire Flow requirements, hydrant installation, bond issue initiation and subsequent administration, station furniture and Fire Department representation concerning street pattern changes and accessibility.

### Fire Station Remodeling Program

This program was suspended for the duration of the Fiscal Year pending the outcome of studies conducted to evaluate the utilization of Fire Department resources including Fire Station location.

### Real Estate

One surplus property, Old Station 40 at 1249 Clayton Street was disposed of at public auction on January 29, 1980.

### Station Maintenance

Upkeep of stations and minor alterations were performed on a schedule based on assigned priority and as were permitted by budgeted funds of the Bureau of building Repair, Department of Public Works. In Fiscal Year 1979-1980, 1171 building repair requests were processed by this Division.

### Improvement Bond Program

#### Fireboat Program

The Improvement Bond of November 1977 provided funds for the design and construction of a new fireboat. Morris Guralnick Associates provided design services in accordance with a contract signed in January 1979 and delivered a set of specifications in February 1980. Specifications were reviewed and finalized in June 1980.

#### Auxiliary Water Supply Extension Program

The Improvement Bond of 1977 provided funds for the extension of the Auxiliary Water Supply System further into the western portion of the City as part of a Master Plan. During Fiscal 1979-80, engineering studies were conducted, utility clearances were obtained and materials and supplies were ordered. A construction contract will be awarded during the coming year.

## Automation of Ashbury Tank

The Improvement Bond of November 1977 provided funds for the design and installation of a system that will remotely control the operation of water supply valves located in the Ashbury Tank facility of our Auxiliary Water Supply System. A construction contract was awarded in March of 1980 and work will be completed during the coming fiscal year.

### - BUREAU OF ENGINEERING AND WATER SUPPLY

This Bureau, under the direction of a Senior Mechanical Engineer (Water Supply Superintendent) is responsible for the engineering and maintenance of the Auxiliary Water Supply System (High Pressure System), the maintenance of the hydrants connected to the domestic water supply system, the maintenance of Fire Department cisterns, the maintenance of standpipes on public and private buildings and for day to day professional engineering assistance as needed by the Department.

During the past year, due to additions to the Auxiliary Water Supply System and changes in the city streets pattern, 8 high pressure hydrants were relocated. Currently there are 1,424 high pressure hydrants in service.

During this same period, 18 low pressure hydrants were installed, 4 permanently removed and 18 relocated. There are now 7,806 Fire Department hydrants and 234 private hydrants in service on the domestic supply.

There are 150 cisterns located throughout the City for emergency water supply. The majority of the cisterns contain 75,000 gallons of water each and are kept filled by the Bureau of Engineering and Water Supply personnel.

Dry standpipes on buildings are tested by the Bureau before acceptance and after alteration or repair and are periodically placed in service, 4 permanently removed and 19 repaired or altered. Records show that standpipes are installed in 2,708 buildings, each containing 1 or more standpipes.

Due to budgetary restraints, stationary engineer personnel manning the two High Pressure Pumping Stations was reduced from a total of 10 men to 6 men (1 chief and 5 engineers). Because of this reduction it is no longer possible to man both stations on a 24 hour a day basis; policy dictated that Pumping Station No. 2 would continue to be fully manned and that Station No. 1 would be put on a standby status and would be manned to the extent possible during the day watch. A program has been established at Station No. 1 for operating all equipment on a weekly schedule and for performing both routine and preventive maintenance work.



DIVISION  
OF  
TRAINING



DIVISION OF TRAINING		
<ul style="list-style-type: none"> <li>. Conducts probationary and in-service evaluations for all uniformed personnel</li> <li>. Conducts individual and special evaluations as required.</li> <li>. Administers special courses and seminars to uniformed personnel.</li> <li>. Conducts fire simulator training and Battalion operational drills.</li> <li>. Prepares and maintains training manuals.</li> </ul>		
1 - H50 Assistant Chief		P
1 - H30 Captain		P
2 - H2- Lieutenant		P
1 - 1426 Senior Clerk Typist		P

Program Outputs:

1979-1980

A. Individual Evaluations - Company Officers & Firefighters	9,881
B. Probationary Firefighter Training	18,653
C. Special Courses (All Personnel)	15,452
D. Battalion Operational Drills	2,308
E. Fire Simulator Training (Officers-Ch./C. & OA)	1,330

Related Costs 1979-1980 \$ 321,441



## DIVISION OF TRAINING

During the Fiscal Year 1979-1980, the Division of Training continued its function as the directional center of instruction for the Department.

Training during the year focused on the following:

1. Probationary Training
2. Instructional Sessions
3. Company Evaluations and Drills

### Probationary Training

This seven week course was conducted for two groups totaling 64 probationary firefighters. The training covered a continuous period from 12/10/79 to 3/13/80, during which the entire training staff was utilized.

### Instructional Sessions

These sessions involve direct training of personnel by Fire College staff officers or specialists from either the field or outside the department. These sessions included Technical Report Writing, Human Relations, Arson Investigation, CPR Instructor's Course, Instructor Training, Chlorine Tank Cars, Emergency Medical Technician, Leadership and Hazardous Materials.

### Company Evaluations and Drills

These exercises involve either individual members performing a number of evolutions at the training center, or companies performing as a team. The evolutions have been published in a Drill Manual which has been distributed to all stations. This concept of training places responsibility on the individual as well as the company officer. Written evaluations are made by Division of Training personnel and are posted to the individual's records. Reports of poor performances are sent to company commanders and re-testing is scheduled.

Other training includes Fire Simulator Command training which involves Chiefs, Company Officers, and Chief's Aides dealing with fire ground problems, realistically simulated through the use of projectors and sound equipment. The purpose of these simulated fire situations is to help develop better communications, coordination, and procedures during all stages of fire emergencies. The application of the simulator is not limited, however, to fire extinguishment. It can be used to pre-plan fires in specific buildings, critique past fires and to indoctrinate probationary firefighters to our department's firefighting strategy.

Additional responsibilities of the Division of Training include: Compiling, up-dating, publishing and distributing the Department's training manuals; assisting the Airport Division in their specialized training; aiding the Bureau of Equipment and Bureau of Engineering and Water Supplies in the testing of new equipment; budgeting, ordering, and dispensing protective clothing for the firefighting forces; assisting in the licensing of Department drivers; processing identification cards; planning, researching, testing and evaluating drill evolutions, training courses and the instructional needs of the department.

The Total Man Hours of training during Fiscal 1979-1980, involving all phases of training = 45,624 hours.





BUREAU  
OF  
EQUIPMENT



## BUREAU OF EQUIPMENT

Maintains, inspects, establishes and enforces procedures for the care and operation of 224 Trucks, pumpers and cars.

Performs emergency field repairs.

Performs firefighting and maintenance duties at major alarms of fires.

Conducts tests and evaluations for fire apparatus and prepares specifications therefor.

1 - H30 Captain	P
8 - H2 Firefighter	P
1 - 1424 Clerk Typist	CETA

### Program Outputs:

1979-1980

A. Repairs to Apparatus and Tools, Extinguishers Refilled & Pump Tests	1,850
B. Major Alarms Responded To	93
C. Driver Evaluations	156
D. Miscellaneous services including other Departments	1,640

Related Costs 1979-1980 \$ 482,161



## BUREAU OF EQUIPMENT

The Bureau of Equipment, under the supervision of the Chief, Bureau of Administration, is staffed with one officer and eight firefighters and is responsible for maintenance, lubrication and inspection of all apparatus. The Bureau is also responsible for procedures pertaining to care and operation of all apparatus and equipment in the Fire Department.

During the Fiscal Year 1979-1980, the Bureau recorded more than 18,500 requests for equipment repairs, oxygen supplies, extinguisher exchanges, orders for diesel fuel as well as gasoline and oil requests and other services.

The Bureau, in conjunction with the Division of Training, continued its driver evaluation and operational program. To keep abreast with improvement in new equipment, spot checks were conducted on the driving habits of both regular and relief drivers of the Department.

The Bureau also conducts annual pump tests and ladder tests, assists the High Pressure crews in tests on the high pressure mains, assists both the Division of Training, and Division of Planning and Research in special projects, evaluates suggestions from the Advisory Board, and attends Oral Board meetings as well as pump operator and driving evaluations for surrounding departments.

The Bureau responds to all greater alarms, manning special equipment as requested by the Incident Commander, investigates accidents to Department apparatus and relieves apparatus not suitable for response to alarms or incidents. The Bureau also provides tow service to other agencies of the City as requested.

### Hose Complement

The following chart is the hose complement of the Department, excluding short utility lengths, circulators etc. It is responsible for maintaining an accurate record of the hose in the Department along with replacement of same.

#### S.F.F.D. Hose Complement to June 30, 1980

	<u>3"</u>	<u>2-3/4"</u>	<u>1-1/2"</u>
10 Years or Less	100%	77.65%	95.66%
11 to 15 Years	0%	20.62%	3.03%
Over 15 Years	0%	1.73%	1.31%
	<u>100%</u>	<u>100.00%</u>	<u>100.00%</u>
	87,400	54,800	61,050

Total footage in Hose Complement

203,250 feet

Apparatus Status

	<u>In</u> <u>Service</u>	<u>In</u> <u>Reserve</u>
1,000 GPM Combination pumpers, Triple Combo - - -	0	13
1,000 GPM Combination pumpers, Triple, (Diesel) - -	0	1
1,000 GPM Combination pumpers, Triple, (C.D.) - - -	0	1
1,250 GPM Combination pumpers, Triple, (Diesel) - -	24	0
1,250 GPM Combination pumpers, Triple - - - - -	9	3
1,500 GPM Combination pumpers, Triple, (Diesel) - -	10	0
50 GPM Combination Mini pumpers - - - - -	4	0
Aerial Ladders - 100 foot - (Diesel) - - - - -	15	1
Aerial Ladders - 100 foot - - - - -	4	6
Aerial Ladders - 92 foot - (Diesel) - - - - -	0	1
Aerial Ladders - 85 foot - (Diesel) - - - - -	0	1
Snorkel - 85 foot - (Diesel) - - - - -	1	0
Air Compressor - - - - -	0	1
Automobiles - Chiefs' - - - - -	15	5
Automobiles - Staff - - - - -	34	3
Mini Buses - - - - -	2	0
Coffee Unit - - - - -	0	1
Fireboat - - - - -	1	0
Foam Unit - - - - -	0	1
Diesel Fuel Unit - - - - -	0	1
Gasoline Fuel Unit - - - - -	0	1
Attack Hose Tenders - - - - -	3	0
Hose Tenders - - - - -	0	3
Hydrant Trucks - - - - -	8	0
Hydrant Trucks, (Valve Units) - - - - -	14	0
Pipe Dolly, (C.D.) - - - - -	0	1
Pipe Trailer Unit, (C.D.) - - - - -	0	1
Portable Compressor, 2-wheel Unit Trailer - - - -	2	0
Rescue Trucks - - - - -	2	1
Cliff Rescue Truck - - - - -	1	0
Salvage Trucks - - - - -	0	2
Utility Unit - - - - -	0	1
Pollution Control Unit - - - - -	0	1
Searchlight Engine - - - - -	1	0
Service Squads - - - - -	2	0
Tow Truck - - - - -	1	0
Tractors, Aerial (Relief) - - - - -	0	0
Trucks, Delivery - - - - -	2	1
Valve Unit - - - - -	1	0
Water Rescue Unit - - - - -	0	1
Crane Truck - - - - -	1	0



COMMUNICATIONS  
AND  
PERSONNEL CENTERS





PERSONNEL CENTER		
Processes personnel functions for all employees in conjunction with computerized management information system.		
1 - H40 Battalion Chief	P	
2 - H20 Lieutenant	P	
2 - 1202 Personnel Clerk	P	
1 - 1424 Clerk Typist	CETA	

COMMUNICATIONS CENTER		
Through use of Command and Control computer, dispatches men and equipment to fires and other emergencies. Maintains catalogue of hazardous chemicals and commercial building peculiarities.		
1 - H30 Captain	P	
8 - H20 Lieutenant	P	
8 - H2 Firefighters	P	

Program Outputs:

1979-1980

A. Assignments and Details	.....	5,822
B. Assignments, WDP and LWLP	.....	6,156
C. Personnel Transactions Processed	.....	34,812
D. Command and Control Dispatches	.....	39,496
E. Major Alarms	.....	93

Related Costs 1979-1980 \$1,205,403



## COMMUNICATIONS AND PERSONNEL CENTERS

### Communications Center

The Communications Center serves as a Dispatch Center, Radio Communications and Information Center.

The Dispatch Center receives all incoming emergency telephone calls and box alarms, evaluates each and determines the necessary apparatus and equipment for dispatch. Total incidents processed = 39,496. This is an increase of 2,053 incidents over Fiscal Year 1978-1979. Over 400,000 telephone calls of various natures were processed.

The Radio Center processed over 500,000 radio transmissions of various natures.

The Information Center serves as a source of information for field personnel and the public for dangerous chemicals and hazardous materials. The center is continually updating and expanding its resources. The Center extracted 1095 daily reports for headquarters plus 132 segments for monthly reports including monthly reports for the State Fire Marshal.

The Communications Center processed over 4700 H2 Firefighters' W.D.O.s. This included hiring and establishing a daily standby list for H2 Firefighters.

### Personnel Center

All areas of personnel administration are coordinated by the Personnel Center. These areas include maintenance of individual personnel records, vacation scheduling and record keeping, constant monitoring of company strengths and assignment of personnel as required, the hiring of overtime as determined by the compilation of Division strength reports, and the daily administration of all out-of-classification assignments.

The Personnel Control System for the Department assists the Personnel Center by maintaining records and preparing reports based on information from several sources. The System has enabled the Personnel Center to eliminate much record keeping formerly done manually. The roll call and manpower balance portion of the system has been in operation for one full year. The results to date have far exceeded original expectations. The prompt manpower balancing each morning greatly adds to department efficiency. Anticipated shortages in any rank and any unit are automatically noted and corrective actions taken.

### Personnel Center Statistics

Daily Details	5,822
W.D.O.s Assigned	2,355
L.W.L.P. Assignments	2,034
U.F.O. Details	1,767
Teletype Messages Sent	984

### COMMAND AND CONTROL SYSTEM

The Command and Control System is comprised of two sub-systems, the Computer Assisted Dispatch (CAD) and the Management Information System (MIS).

The computer Assisted Dispatch System has been in service on a full time basis since November 8, 1976 and has proven to be highly successful and reliable.

Because of the redundant computer configuration and other redundancies throughout the system, down-time for Fiscal Year 1979-80 was but a fraction of one (1) percent.

Output reports are generated on both a regular and as-needed basis. Fire incident information is forwarded to the State Fire Marshal on a monthly basis in conjunction with the CFIRS program.

The original Command and Control System contract was modified on July 1, 1977 to provide for hardware and software improvements and to incorporate the Personnel Bureau into the Management Information System.

All of our personnel functions, with the exception of payroll activities, are done on a computer basis through our own system.

Future tasks include development of a scheduling and building history program for the Bureau of Fire Prevention, an inventory system both vehicular and equipment for the Bureau of Equipment and a training record system for the Division of Training.

# In Memoriam

Firefighter - In the Line of Duty

Zeno Contreras

July 17, 1979

Firefighter - Active

John Dugan

March 15, 1980

Firefighter - Active

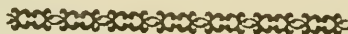
Nicholas Cabot

June 6, 1980

Chief's Aide - Active

Robert West

March 31, 1980



I will pass this way but once  
If there's any good that I can do  
Let me do it now  
For I'll never pass this way again.  
I will see this day but once  
If there's any kindness I can show  
Let me show it now  
For I'll never see this day again.  
Tomorrow may be too late my friend  
To do all the good that you planned  
So reach out for those who need you  
And lend them a helping hand.  
I will know this world but once  
If there's any love that I can give  
Oh Lord - - - please show me how  
For I'll never know this world  
I'll never see this day  
I'll never pass this way again!



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FO-81

# SAN FRANCISCO FIRE DEPARTMENT



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*Annual Report*  
1980 - 1981





CITY AND COUNTY OF SAN FRANCISCO  
SAN FRANCISCO FIRE DEPARTMENT



ANDREW C. CASPER  
CHIEF OF DEPARTMENT

EMMET D. CONDON  
DEPUTY CHIEF OF DEPT

260 GOLDEN GATE AVENUE  
SAN FRANCISCO, CA., 94102  
Phone (415) 861-8000, Ext. 281

September 2, 1981

Honorable President and  
Members of the Fire Commission

Ladies and Gentlemen:

I respectfully submit the Fire Department's 1980-81  
Annual Report in accordance with Charter Section 3.501.

During fiscal year 1980-81, while the total number  
of alarms and building fires remained fairly static, we re-  
alized an increase of more than 10% in rescue calls. Our con-  
tinued efforts to reduce false alarms resulted in a 5% decrease  
as compared to last fiscal year. Many of the goals and objec-  
tives which were set forth last year have been achieved.

The "Learn Not to Burn" program reached approximately  
15,000 students and the Child Firesetter Counseling Program  
screened and counseled 80 children during its first year of  
operation.

The installation of our new radio system was  
completed.

The CRISP Inspection Program was intensified and three  
special CRISP Task Force inspections were completed. More  
inspections were done than in any of the three previous years  
and a correction rate of 68% of violations found was achieved,  
far exceeding our goal of 50%.

During fiscal year 1980-81, the Department was re-  
organized into five programs as part of the city-wide require-  
ment to gradually change each department's financial and budget  
procedures to a Program/Performance Budget and Management by  
Objective Program. To meet the challenges of the new program,  
we revised the table of organization. Responsibility for the  
five programs rests with the Deputy Chief of Operations and the  
Deputy Chief (new) of Administration, each of whom reports to  
the Chief of Department who has final responsibility. The  
Deputy Chief/Operations is responsible for three programs, namely  
Fire Suppression, Fire Prevention and Fire Investigation. The  
Deputy Chief/Administration is responsible for two programs,  
namely Support Services and Administration.



Honorable President and  
Members of the Fire Commission -2-

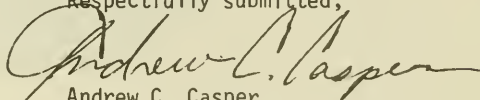
September 2, 1981

Through the continued efforts of the Arson Task Force, there was a 10% reduction in the number of arson fires as compared to last year, and the arrest and conviction rate was more than three times the national average.

In the coming year we will continue to strive to achieve the goals and objectives as outlined in the Management by Objective Program as well as completing special projects, such as the automation of Ashbury Tank and the extension of the Auxiliary Water Supply System.

I would like to thank Mayor Dianne Feinstein, the Fire Commission, the Board of Supervisors and other public officials for their cooperation and assistance. I would also like to thank those private organizations and citizens who contributed their time, expertise, and financial assistance and the news media for their support.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Andrew C. Casper". The signature is fluid and cursive, with a large initial "A" and "C".

Andrew C. Casper  
Chief of Department





*Andrew C. Casper*

CHIEF OF DEPARTMENT



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SAN FRANCISCO FIRE DEPARTMENT  
HEADQUARTERS  
260 Golden Gate Avenue  
San Francisco, California, 94102

FIRE COMMISSION

Henry E. Berman	- President	
Curtis McClain	- Vice President	
Juanita Del Carlo	- Commissioner	
Anne Howden	- Commissioner	
Robert Nicco	- Commissioner	
Raymond G. Connors	- Fire Commission Secretary	Room 204

ADMINISTRATION

Chief of Department		
Andrew C. Casper		Room 225
Deputy Chief of Department		
Emmet D. Condon		Room 225
Assistant Deputy Chief		
Robert E. Rose		Room 209
Division of Fire Prevention and Investigation		
William J. Graham	- Fire Marshal	Room 327
Division of Support Services		
Joseph A. Sullivan	- Division Chief	Room 210
Division of Management Services		
John Hirshfeld	- Division Chief	Room 312
Earl Gage	- Coordinator, Community Services	
Personnel Center		
Elliot Kamler	- Battalion Chief	Room 314
Bureau of Engineering and Water Supply		
Eugene Andersen	- Superintendent	Room 219
Fire Department Physician		
William A. Newsom, M.D.		Room 307
Division of Airports		
John H. Sherratt	- Division Chief	S.F. Intl. Airport
Bureau of Training		
Charles H. Lee	- Battalion Chief	2310 Folsom
Bureau of Equipment		
Harold J. Colen	- Captain	2501-25th Street
Bureau of Communications		
William Whitfield	- Captain	1003 Turk



FIRE DEPARTMENT CHAPLAINS

Catholic Chaplain  
Father Daniel Sullivan - Sacred Heart Church

Jewish Chaplain  
Rabbi Martin Weiner - Temple Sherith Israel

Protestant Chaplain  
Reverend Roland E. Grumm - St. Paulus Lutheran Church

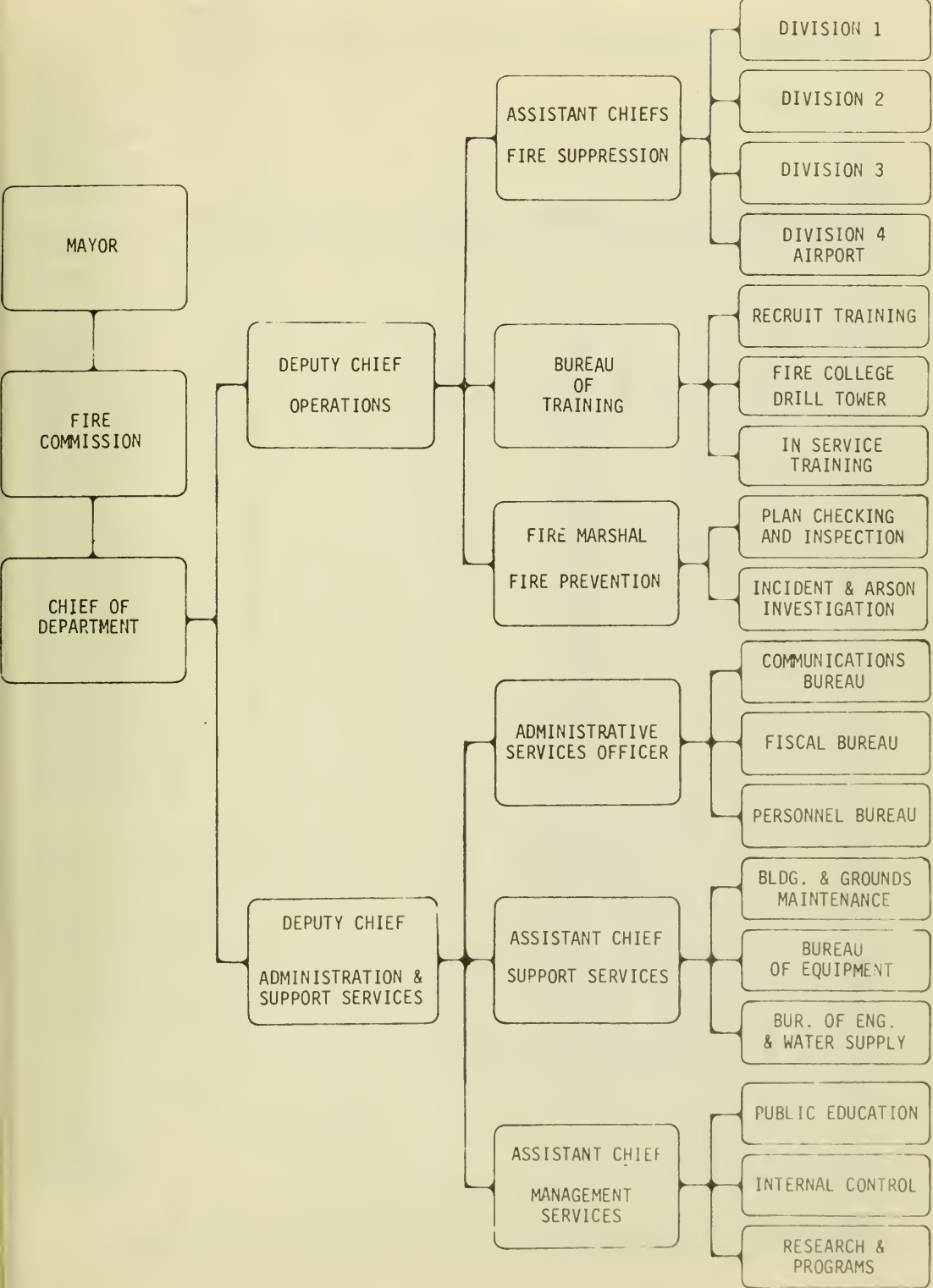




# ADMINISTRATION









SAN FRANCISCO FIRE DEPARTMENT - AUTHORIZED PERSONNEL BUDGET 1980/1981

## UNIFORMED PERSONNEL

**NON-FIREFIGHTING  
SUPPRESSION.**  
Bureau of Training  
**PREVENTION:**  
INVESTIGATION.  
**SUPPORT SERVICES:**  
Bureau of Equipment  
**ADMINISTRATION:**  
Admin. Services Off.  
Personnel Center  
Communications Bureau  
Management Services

C.D. 140	D.C. 150	A.C.O. 145	S.C.O. 155	A.C. H-50	S.C. H-40	CAPT H-30	LT H-20	COORD H-18	OPR H-17	F.F. H-2	PILOT H-120	M-ENG H-110	CAPT H-72	LT. H-22	LT. H-24	INSP. H-4	INV H-6	TOTAL
1	1			1	1	1	8			1			2	3	1	32	10	10 11 12 2 2 6 21 2
1	1	1	1	3	2	3	21	1	1	13	0	0	2	3	1	32	10	96

FIREFIGHTING UNITS  
CHIEF/DEPUTY CHIEF

01V1510MS 1, 2, 3,  
015TRICTS 1 to 10

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SAN FRANCISCO FIRE DEPARTMENT - AUTHORIZED PERSONNEL BUDGET - 1980/81

(Con't.)

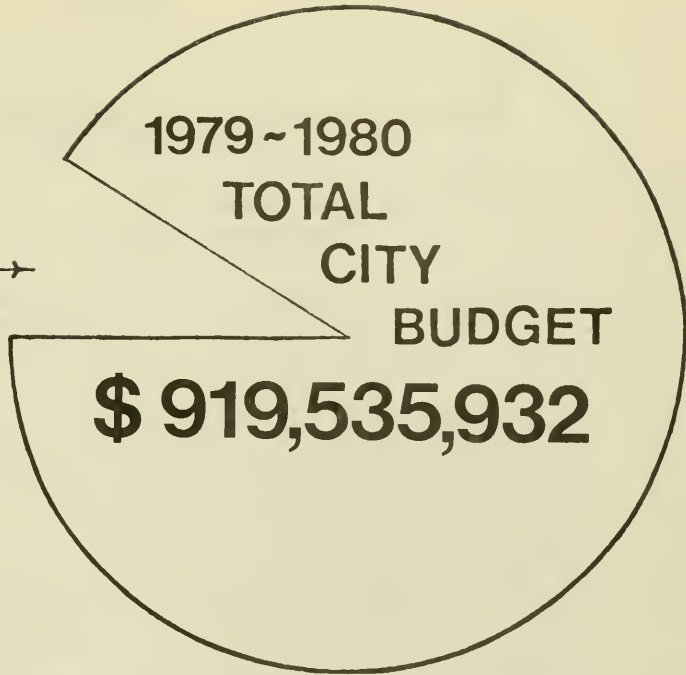
NON-UNIFORMED PERSONNEL

	<u>No.</u>	<u>Class/Title</u>
SUPPRESSION:		
Bureau of Training	1	1426 Sr. Clerk Typist
PREVENTION:		
	1	1426 Sr. Clerk Typist
	1	1446 Sr. Clerk Stenographer
	3	5215 Fire Protection Engineer
INVESTIGATION:		
	1	1424 Clerk Typist
SUPPORT SERVICES:		
	1	1446 Sr. Clerk Stenographer
	1	1924 Materials & Supplies Supervisor
	1	2708 Custodian
	1	5258 Sr. Mechanical Engineer
	1	5362 Civil Engineer Ass't II
	1	7205 Chief Stationary Engineer
	1	7230 Water Sys. Supervisor I
	1	7323 Water Sys. Asst. Supervisor I
	5	7334 Stationary Engineer
	11	7388 Utility Plumber
	2	7514 General Laborer
ADMINISTRATION:		
	5	0160 Member, Fire Commission
	2	1202 Personnel Clerk
	2	1220 Payroll Clerk
	1	1222 Senior Payroll and Personnel Clk
	1	1224 Principal Payroll and Personnel
	2	1426 Senior Clerk Typist
	1	1446 Senior Clerk Stenographer
	1	1450 Principal Clerk Stenographer
	1	1528 Administrative Secretary
	1	1540 Secretary, Fire Commission
	1	1650 Accountant
	1	1654 Principal Accountant
	1	1720 Data Entry Operator
	1	1872 Programmer Analyst
	1	1934 Storekeeper
	1	2220 Physician
Total Non-Uniformed Personnel	56	
Total Uniformed Personnel	1577	
Total Department Personnel	1633	

1979-1980  
TOTAL  
FIRE DEPARTMENT  
BUDGET

**\$81,639,841**

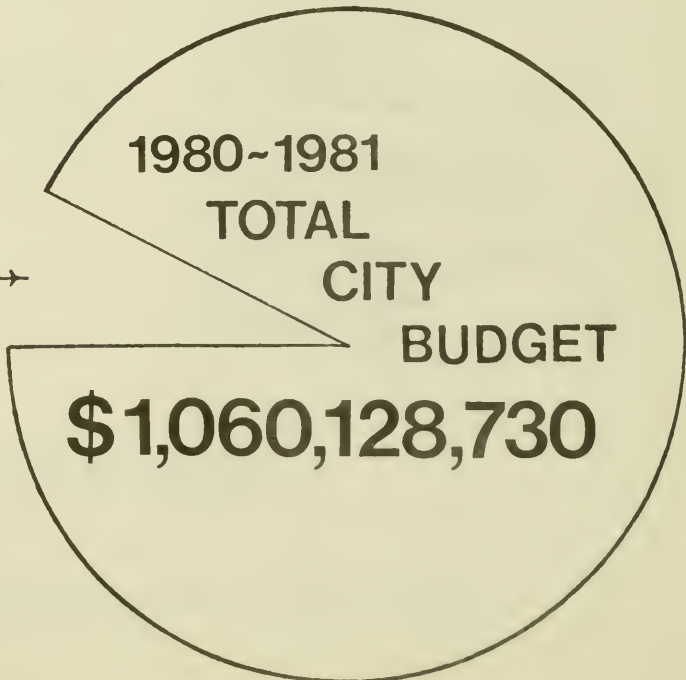
or 8.88%  
of the TOTAL  
CITY BUDGET



1980-1981  
TOTAL  
FIRE DEPARTMENT  
BUDGET

**\$80,215,735**

or 7.57%  
of the TOTAL  
CITY BUDGET





PERSONNEL

Employments

The number of authorized employments for the Fire Department totaled 1,633 for the fiscal year 1980-81, detailed as follows:

UNIFORMED FORCE

- 1 - Chief of Department
- 1 - Deputy Chief of Department
- 1 - Asst. Deputy Chief of Department
- 1 - Secretary to Chief of Department
- 16 - Division Chief
- 44 - Battalion Chief
- 80 - Captain
- 212 - Lieutenant
  - 1 - Coordinator Community Services
- 57 - Chief's Aide
- 1106 - Firefighter
  - 3 - Pilot, Fireboat
  - 4 - Marine Engineer, Fireboat
  - 2 - Captain, Bur. Fire Prevention
  - 4 - Lieutenant, Bur. Fire Prevention
- 33 - Inspector, Bur. Fire Prevention
  - 1 - Lieutenant, Bur. Fire Invest.
- 10 - Investigator, Bur. Fire Invest.

1577\* - TOTAL Uniformed Force - 96.57%

\*Of this total, 1494 were funded.

NON-UNIFORMED FORCE  
Headquarters

- 5 - Member, Fire Commission
- 1 - Sr. Mechanical Engr.
- 1 - Secty, Fire Comm.
- 1 - Prin. Accountant
- 1 - Accountant
- 1 - Administrative Secretary
- 1 - Principal Clerk Steno.
- 3 - Senior Clerk Steno.
- 4 - Sr. Clerk Typist
- 1 - Clerk Typist
- 1 - Prin. Payroll & Pers. Clerk
- 1 - Sr. Payroll-Pers. Clerk
- 2 - Payroll Clerk
- 2 - Personnel Clerk
- 1 - Physician (P/T)
- 3 - Fire Protection Engineer
- 1 - Programmer Analyst
- 1 - Mat. & Supplies Sup.
- 1 - Civil Engineering Asst. II
- 1 - Data Entry Operator
- 1 - Custodian
- 1 - Storekeeper

35 - TOTAL Headquarters Office

Bur. Engineer & Water Supply

- 1 - Water System Supervisor
- 1 - Water System Assistant Supervisor
- 1 - Chief Stationary Engineer
- 5 - Stationary Engineer
- 11 - Utility Plumber
- 2 - General Laborer

21 - TOTAL - Bur. Engineer & Water Supply

56 - TOTAL Non-Uniform - 3.43%

TOTAL AUTHORIZED EMPLOYMENTS

July 1, 1980

1,633

Specific assignments of these employments are detailed on the authorized personnel assignment chart.

## FISCAL

### Budget - Personnel Cost

Rates of compensation for uniformed members of the fire department are established in accord with procedures set forth in Charter section 8.405. These procedures include an annual survey of the rates of compensation paid firemen employed in cities in California with a population of 350,000 or more. The Civil Service Commission conducts the survey, and the rates they certify to the Board of Supervisors are the average of the maximum rates paid to firemen in the surveyed cities.

The costs shown below include permanent salaries and wages, overtime, holiday, differential pay and temporary salaries for uniformed members:

	<u>Personnel</u>		
	<u>1979-1980</u>	<u>1980-1981</u>	<u>Increase (Decrease)</u>
Budget Estimate	\$44,792,787	\$42,834,718	\$(1,958,069)
Budget Expended	\$42,121,146	\$42,173,374	\$ 52,228



## Budget - Data

During fiscal year 1980-1981, budget allowances and expenditures compared to fiscal year 1979-1980 for the Fire Department were as follows:

	<u>1979-1980</u>	<u>1980-1981</u>	<u>Increase (Decrease)</u>
Budget Allowances	\$81,561,031	\$80,647,570	(\$ 913,461)
Expended	\$80,810,031	\$79,361,233	(\$1,448,798)

Expenditure Categories and Percentages are as follows:

Personnel services and fringe benefits	\$76,957,491	97.0%
Professional services	50,645	.1%
Other contractual services	394,512	.5%
Travel	3,326	.0%
Other Services	150,935	.2%
Materials and Supplies	574,252	.7%
Fixed Charges	2,406	.0%
Equipment Purchases	499,725	.6%
Services of Other Departments	727,941	.9%
TOTAL	<u>\$79,361,233</u>	<u>100.0%</u>

Recapitulation of Budget Allowances and Expenditures:

<u>Description</u>	<u>Budget</u>	<u>Expended</u>	<u>Over/(under) Expended</u>
Personnel Salary & Wages	\$42,834,718	\$42,173,374	\$ (661,344)
Fringe Benefits	35,351,596	34,784,117	(567,479)
Professional Services	50,945	50,645	(300)
Other Contractual Services	418,944	394,512	(24,432)
Travel	3,500	3,326	(174)
Other Services	165,105	150,935	(14,170)
Materials and Supplies	583,955	574,252	(9,703)
Fixed Charges	4,140	2,406	(1,734)
Equipment Purchases	499,725	499,725	--
Services of Other Departments:			
City Attorney	12,000	12,000	--
Civil Services	35,200	35,000	(200)
Real Estate	2,000	2,000	--
Central Shops	626,145	626,145	--
Building Repair	6,223	5,979	(244)
Controller-EDP	46,320	40,610	(5,710)
Street Repair	6,000	5,999	(1)
Reproduction Bureau	1,054	208	(846)
TOTAL	<u>\$80,647,570</u>	<u>\$79,361,233</u>	<u>\$(1,286,337)</u>

## Department Revenues:

Estimated revenues and amounts collected during Fiscal Year 1980-1981 were as follows:

<u>Account</u>	<u>Description</u>	<u>Estimated</u>	<u>Collected</u>
7166	Posting Fees	\$ 3,570	\$ 24,375
7167	Original Filing Fees	158,030	257,743
7192	Roof & Salvage Covers	13,400	4,281
7216	Miscellaneous Services Charges	25,000	43,687
	TOTAL	<u>\$200,000</u>	<u>\$330,086</u>

## S F F D.

SALARY RANGE

<u>Uniformed Force</u>	<u>1979-80</u>	<u>1980-81</u>	
Chief of Department	\$ 2265	\$ 2439	bi-weekly
Deputy Chief of Department	1905	2052	"
Ass't. Deputy Chief of Department	--	2051	"
Division Chief	1547	1666	"
Secretary to Chief of Department	1499	1614	"
Battalion Chief	1339	1442	"
Captain	1116	1202	"
Lieutenant	977	1052	"
Coordinator of Community Services	976	1051	"
Chief's Aide	916	987	"
Captain, Bureau of Fire Prevention & Public Safety	1261	1358	"
Lieutenant, Bureau of Fire Prevention & Public Safety	1104	1189	"
Lieutenant, Bureau of Fire Investigation	1104	1189	"
Investigator, Bureau of Fire Investigation	1008	1086	"
Inspector, Bureau of Fire Prevention & Public Safety	1008	1086	"
Pilot & Marine Engineer, Fireboat	1116	1202	"
Firefighter - 1st year	726	783	"
Firefighter - 2nd year	763	822	"
Firefighter - 3rd year	801	863	"
Firefighter - 4th year	\$ 841	\$ 906	"
<u>Non-Uniformed Force</u>			
Fire Commissioner	\$ 46.15	\$ 45.98	bi-weekly
Secretary - Fire Commission	1073	1203	"
Physician - Part Time	1528	1723	"
Senior Mechanical Engineer	1375	1506	"
Chief Stationary Engineer	1052	1174	"
Water System Supervisor	1136	1255	"
Water System Asst. Supervisor	1083	1197	"
Stationary Engineer	842	938	"
Utility Plumber	984	1088	"
General Laborer	634	701	"
Personnel Clerk	503	544	"
Payroll Clerk	526	570	"
Senior Payroll & Personnel Clerk	578	625	"
Principal Payroll & Personnel Clerk	641	694	"
Clerk Typist	471	510	"
Senior Clerk Typist	517	560	"
Senior Clerk Stenographer	541	586	"
Principal Clerk Stenographer	578	625	"
Administrative Secretary	661	717	"
Accountant	617	658	"
Principal Accountant	899	961	"
Data Entry Operator	469	517	"
Programmer Analyst	748	870	"
Materials & Supplies Supervisor	536	594	"
Custodian	491	575	"
Civil Engineering Assistant II	674	738	"
Fire Protection Engineer	\$ 1220	\$ 1336	"

# PROMOTIONS - UNIFORMED FORCE

The following promotions and probationary appointments were made among the various uniformed ranks during fiscal year 1980-81.

<u>Rank</u>		<u>Effective Date</u>
<u>Assistant Deputy Chief of Department 145</u>		
Robert Rose	(Exempt Appt.)	October 10, 1980
<u>Division Chief H50</u>		
William Bassett	Ltd. Ten.	November 5, 1980
Oliver Storti	Ltd. Ten.	November 5, 1980
<u>Battalion Chief H40</u>		
Thomas Kelly	Ltd. Ten.	November 5, 1980
George Vouchilas	Ltd. Ten.	November 5, 1980
William MacGurn	Ltd. Ten.	March 4, 1981
William Azich	Ltd. Ten.	March 4, 1981
George Payne	Ltd. Ten.	March 19, 1981
Edward Pease	Ltd. Ten.	April 12, 1981
Charles Grimm	Ltd. Ten.	April 22, 1981
<u>Captain H30</u>		
Daniel Kiely	T.C.S.	November 5, 1980
Daniel Kiely		January 14, 1981
Ronald Cutler		March 9, 1981
Michael Sobrano		March 9, 1981
James Ferry		March 19, 1981
George Langley		April 12, 1981
Thomas McGuire		April 22, 1981
<u>Lieutenant H20</u>		
Everett Belcher		January 21, 1981
William DeMattei		February 4, 1981
William Shore		February 6, 1981
Richard Bracco		March 9, 1981
Patrick McLaughlin		March 9, 1981
Mark Donnelly		March 9, 1981
John Neil		March 19, 1981
Richard Seyler		April 12, 1981
Richard Armstrong		April 22, 1981
Cobden Hitchon		April 25, 1981
Robert Oller		May 11, 1981
<u>Lieutenant H24 BFI</u>		
Robert Desmond	Ltd. Ten.	March 4, 1981

### Lieutenant H22 BFP

Norman Silva	T.C.S.	December 5, 1980
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### Investigator H6

Joseph Daly		August 29, 1980
Timothy Riordan		March 4, 1981
William Jovick	T.C.S.	March 18, 1981
William Jovick		May 1, 1981
Paul Murray	T.C.S.	May 6, 1981

### Inspector H4

Robert Cutone	N.C.S.	November 19, 1980
Robert Cutone	Ltd. Ten.	May 19, 1981
Gerald Trainor		March 9, 1981
Gary Meltzer		March 9, 1981
John Drocco		March 11, 1981
Curtis Oukrop		April 27, 1981

### Firefighter H2

William Knispel	January 1, 1981
Stephen P. Green	January 12, 1981
David P. Bruzzzone	January 12, 1981
Patrick T. Wetteland	January 12, 1981
Bernard L. Bourke	January 12, 1981
William N. Rozakos	January 12, 1981
Joseph E. Cuff	January 12, 1981
Dennis J. Sutter	January 12, 1981
John M. Stumpf	January 12, 1981
James M. Carey	January 12, 1981
Michael A. Walsh	January 12, 1981
John W. Staudt	January 12, 1981
Bruce E. Platt	January 12, 1981
James J. Schrick	January 12, 1981
Wayne P. Stewart	January 12, 1981
John E. Faulkner	January 12, 1981
Robert E. Evans	January 12, 1981
Thomas F. Feeney	January 12, 1981
Ralph R. Sotter	January 12, 1981
John T. Sperry	January 12, 1981
Stephen H. Cassidy	January 12, 1981
Justin P. Smith	January 12, 1981
Michael A. Cotton	January 12, 1981
Doyle E. Miller	January 12, 1981
John L. Piombo	January 12, 1981
Richard F. Slattey	January 12, 1981
Kenneth W. Klemme	January 12, 1981
Marty A. Ross	January 12, 1981
William A. Mulkeen	January 12, 1981
Joseph E. Sorensen	January 12, 1981

# TOTAL PROMOTIONS/APPOINTMENTS - UNIFORMED FORCE

Assistant Deputy Chief	-	1
Division Chief	-	2
Battalion Chief	-	7
Captain	-	6
Lieutenant	-	11
Lieutenant BFI	-	1
Lieutenant BFP	-	1
Investigator	-	4
Inspector	-	5
Firefighter	-	30

## NON-UNIFORMED FORCE

### 7388 - Utility Plumber

Phillip Session	N.C.S.	July 3, 1980
Phillip Session	Ltd. Ten.	January 14, 1981

### 5215 - Fire Protection Engineer

Kenneth Long		July 21, 1980
Philip Leong		January 26, 1981

### 9738 - Staff Assistant III, Sp. Project

Pamela McLaughlin		August 13, 1980
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### 1720 - Data Entry Operator

Barbara Morino	N.C.S.	September 23, 1980
Jerry Yung		January 5, 1981

### 1220 - Payroll Clerk

Winnie Chou		October 23, 1980
Elizabeth Chitboonthavisuk	N.C.S.	March 25, 1981

### 1446 - Senior Clerk Stenographer

Virginia O'Shaughnessy	N.C.S.	November 10, 1980
Virginia O'Shaughnessy	T.C.S.	February 19, 1981

### 1426 - Senior Clerk Typist

Barbara Morino	N.C.S.	January 14, 1981
Barbara Morino		May 13, 1981

### 1424 - Clerk Typist

Barbara Morino	T.N.C.S.	January 5, 1981
Maria De Leiva		January 26, 1981

### 1528 Administrative Secretary

Cynthia Landi	Ltd. Ten.	December 31, 1980
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1450 - Principal Clerk Stenographer

Margaret Coulter	Ltd. Ten.	December 31, 1980
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1444 - Clerk Stenographer

Anne Rhinehard (Grant Funds)	Ltd. Ten.	January 14, 1981
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7514 - Laborer

James Thalhammer	T.C.S.	April 30, 1981
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1924 Materials & Supplies Supervisor

Javaid Sayed	T.C.S.	May 7, 1981
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CETA

Mary Cimilluca	1404 Clerk	July 16, 1980
Nancy Merrick	9910 Asst. Trainee	August 18, 1980
Guillermo Lopez	8202 Security Guard	September 26, 1980
Sheba Truong	1402 Jr. Clerk Typist	October 10, 1980
Mary Flaherty	1402 Jr. Clerk	October 21, 1980

CHAPLAIN

Rev. Bruce Dreier (Temp.) Catholic	December 24, 1980
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## UNIFORMED FORCE - SEPARATIONS FROM SERVICE

### Battalion Chief H40

Alf Arneson	July 8, 1980	S
Louis Grillo	July 10, 1980	S
Thomas Carroll	August 21, 1980	D
Clayton Frazee	September 1, 1980	S
Donald O'Brien ***	June 11, 1980	D
Eugene Anderson	February 19, 1981	S

### Captain H30

Herbert Osuna ***	July 31, 1980	D*
Norbert Alvarado	August 16, 1980	D

### Lieutenant H20

Robert Becker	July 7, 1980	S
John McGovern	July 12, 1980	S
Rudy Moreno	July 14, 1980	S
Daniel O'Connell	July 17, 1980	D
Paul Gaspar	July 20, 1980	S
Robert Matlock	August 5, 1980	S
Rene Chavez	September 17, 1980	S
Donald Larroche	September 21, 1980	D
Jeremiah Guiney	September 24, 1980	S
Norman Lingsch	February 4, 1981	S
John Zensius	February 6, 1981	S
James Dunnigan	February 21, 1981	S
Jerry O'Leary	March 7, 1981	S
Jerome Green	April 8, 1981	S

### Chief's Operator H10

Richard Dineen	February 23, 1981	D
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### Investigator H6

George Simmons	July 6, 1980	S
Frank Alianza	February 25, 1981	S

### Inspector H4

Edward Benedetti	March 24, 1980	D
Robert Willett ***	July 16, 1980	S
Wylie Low	September 24, 1980	D
Leonard Carlson	January 29, 1981	S
William Strambi	February 3, 1981	S
Ronald Miller	March 2, 1981	S
John Linney	May 21, 1981	S



## Firefighter H2

Vincent DeBene	July 5, 1980	S
Frank McHugh	July 8, 1980	S
Edmond Bordenave	July 13, 1980	S
Natale Russo	July 16, 1980	S
John McDevitt	July 16, 1980	S
George Smandra	July 18, 1980	S
William Penirian	July 24, 1980	D
Bob Beattie	August 6, 1980	S
William Sommers	August 8, 1980	R
William Callaghan	August 13, 1980	D
William Deas	August 26, 1980	R
Donald Steele	September 11, 1980	S
Arthur McGlenon	September 15, 1980	R
John Coggin	September 22, 1980	R
Harry Wentworth	September 23, 1980	D
Donnell Trotter	October 13, 1980	D
Joseph O'Brien	October 31, 1980	D*
Vincent Calia	November 7, 1980	D
Donald Webster	December 6, 1980	D
Robert O'Sullivan	January 28, 1981	S
Maurice Pollard	February 2, 1981	R
Alexander Martinez	March 15, 1981	S
Timothy Maher	March 25, 1981	S
John Broussal	March 31, 1981	R
William Knispel	April 10, 1981	R
Richard Cappa	April 17, 1981	D*

### TOTAL UNIFORMED FORCE SEPARATIONS

Retirement (Service)	34
Retirement (Disability)	14
Death	3
Dismissed	0
Resigned	<u>7</u>
TOTAL	58

S - Service

D - Disability

D\* - Death

D\*\* - Dismissed

R - Resigned

LO - Laid Off

\*\*\* Retirement Pay based on  
Next Higher Rank



NON-UNIFORMED FORCE SEPARATIONS

Albert Hufnagel	June 28, 1980	S
Eleanor Schlotfeldt	September 17, 1980	D
Calvin Wire	December 2, 1980	R
Pamela Lewis	December 24, 1980	R
James Shea	January 14, 1981	S
Winnie Chou	February 6, 1981	R

CETA

Mary Cantone Cimilluca	August 26, 1980	R
Edmond Marron	September 11, 1980	LO
Nancy Merrick	February 20, 1981	R
Guillermo Lopez	March 20, 1981	R
Huy Hwa Ma	March 23, 1981	R

## FIRM SYSTEM

The Financial Information and Resource Management (FIRM) System was put into place in the Fire Department during fiscal 1980-1981. It is used to monitor and provide information in conjunction with the Management by Objective (MBO) budgeting procedure being adopted on a city-wide basis.

During 1980-1981, the department was reorganized into two areas, namely Operations and Administration/Support with a Deputy Chief in charge of each.

The 1981-1982 budget was prepared and submitted along MBO guidelines, the first budget to be so prepared. It is intended that this procedure will provide program managers with more flexibility in the administration of their budgets and increase the accountability of program managers to policy makers and of policy makers to the legislative body and the public.

## MANAGEMENT SERVICES

The Division of Management Services (Public Education and Internal Control) activities included, but not limited to, the following:

1. Career development and educational programs for firefighter personnel and candidates for entry-level positions.
2. Coordination of Human Relation Educational programs for firefighter personnel.
3. Investigate reported grievances and complaints from department personnel and other sources, and submit appropriate reports to the appropriate authority.
4. Participates regularly in internal activities involving labor relations, investigations of citizen complaints and cases that could be cause for internal disciplinary action by the Appointing Officer or Fire Commission.

5. Chaired the Vehicle Accident Review Committee and maintained statistical data to analyze the effectiveness of the Committee recommendations when individual accidents were reviewed.

6. Community Services and false alarm abatement.

Each promotional rank of the Fire Department has been assigned San Francisco Fire Department related academic courses for which candidates for promotion may earn credit in a promotional examination. The courses and course outlines have been compiled in book form and disseminated to the main public library, City College of San Francisco, all department Fire Stations and other facilities. Course credit application forms have been developed and are available on request at the Bureau of Training.

The award of credits when a candidate for promotional examination has successfully completed required courses, is multipurposed. Each promotional level has required courses for which the candidate may receive credits. Courses for each promotional rank are different and designed for the candidate to effectively function at the level to which promotion is gained. Charter mandated reduced seniority for promotional credits for each level of promotion, transfers the heavy weight of seniority to an equalizing position of advantage for the lesser senior promotional aspirant.

Ultimately, the Fire Department is the beneficiary by gaining a higher level of professionalism from promotional ranks, initially and cumulatively, as promotees ascend the department's promotional ladder.

The reduction of accidents involving the Department's rolling stock and other apparatus, is the continuing objective of the Accident Review Committee. The Department has experienced an upward trend of alarms to which apparatus must respond, thus increasing the frequency of exposure to accident possibilities. Conversely, the ratio of accidents have not increased proportionately.

The false alarm abatement program is a continuing effort that demonstrates degrees of results from area to area when certain methods of communications are utilized.

We were successful in significantly reducing the number of false alarms from the fire alarm boxes as stated below, when letters were systematically sent to residents in those areas where false alarms from the respective fire alarm boxes represented an intolerable hazard to area residents.

During the months of January and February 1980, two hundred seven (207) false alarms were pulled at five of our most notorious false alarm boxes. On June 23, 1980, letters were sent to residents in the areas of those five fire alarm boxes, explaining the situation. In the eleven-month period following, from July 1, 1980 through May 31, 1981, a total of one hundred sixty nine (169) false alarms were received from those same fire alarm boxes, a significant decrease.

### VEHICLE ACCIDENTS

The 1980-1981 Fiscal Year analyses of vehicular accidents have shown a significant decrease of twenty two (22) accidents. There was a decrease of twenty (20) accidents within the Firefighting Service and a decrease of two (2) accidents within the Support Services. This decrease can be partly attributed to the defensive driving awareness of the department drivers, the driver education program scheduled by the Division of Training, and the efforts of the Vehicular Accident Committee. Every effort will be made through training, instruction and practice to continue this downward trend.

#### Important Data for Comparison With the Fiscal Year

1979 - 1980

1980 - 1981

Firefighting unit accidents decreased by twenty (20).

Non-firefighting unit accidents decreased by two (2).

Alarms responded to decreased by two hundred ninety-seven (297).

Intersection accidents increased by eleven (11).

Collisions with Fire Department buildings decreased by fifteen (15).

Accidents involving backing into quarters decreased by eight (8).

# Vehicle Accidents by Classification

## Fiscal Years

<u>FIRE SUPPRESSION</u>	<u>76/77</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>	<u>80/81</u>
Assistant Chiefs	2	2	1	2	2
Battalion Chiefs	8	5	8	7	3
Engine Companies	52	54	40	41	48
Truck Companies	25	21	27	43	18
Hose Tenders	0	0	0	1	0
Salvage Companies	1	0	0	0	0
Rescue Companies	5	3	4	4	5
Airport Companies	0	0	0	0	1
Service Squad	1	1	0	1	2
Deputy & Chief of Department	<u>2</u>	<u>1</u>	<u>2</u>	<u>0</u>	<u>0</u>
	96	87	82	99	79

## SUPPORT SERVICES

Division of Fire Prevention and Investigation	3	6	7	5	4
Personnel Center	0	1	0	2	1
Division of Training	0	0	3	0	0
Bureau of Engineering & Water Supply	3	6	3	2	3
Civil Defense Auxiliary	0	0	0	0	0
Special Details	2	0	0	0	0
Photo Unit	0	1	0	0	0
Bureau of Equipment	1	3	2	2	2
Bureau of Administration	0	0	1	3	1
Other Vehicles	<u>2</u>	<u>1</u>	<u>6</u>	<u>1</u>	<u>1</u>
	11	18	22	14	12
Grand Totals	107	105	104	113	91

Accidents by Classification  
Comparison

Emergency and Non-Emergency - Driving Combined

	<u>76/77</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>	<u>80/81</u>
Accidents: Total	107	105	104	113	91
Judged Preventable	75	74	67	68	55
TOTAL Alarms	30,596	33,078	38,077	39,496	39,199

	<u>Kind of Accident</u>				
Collision with Fixed Objects, Parked Vehicles, Buildings, etc.	61	48	54	62	22
Moving Vehicles	37	43	38	41	49
Another S.F.F.D. Vehicle	5	2	4	4	3
Other	8	6	8	6	5
Intersection Collisions	35	15	14	14	25

	<u>Fire Department Vehicle Collided With</u>				
A Moving Vehicle	37	43	38	41	49
A Parked or Stopped Vehicle	40	34	30	37	24
Another Fire Department Vehicle	5	2	4	4	3
Fire Department Building or Object	17	20	24	25	10
Other	8	6	8	6	5
TOTAL	107	105	104	113	91

What Fire Department Vehicle Was Doing

At Time of Accident

	<u>76/77</u>	<u>77/78</u>	<u>78/79</u>	<u>79/80</u>	<u>80/81</u>
Moving Straight Ahead	31	39	42	49	39
Turning Right	14	11	10	14	7
Turning Left	14	8	6	10	11
Backing Into Quarters	21	5	17	12	4
Stopped	15	23	17	14	13
	<hr/>				
TOTAL	95	86	92	99	74

Types of Accidents

to Fire Department Vehicles

Sideswipes	17	39	47	48	51
Right Angle	10	18	9	14	13
Rear Ends	25	14	13	13	9
Front Ends	24	11	8	12	6
Other	6	11	8	12	5
No Damage***	25	12	19	15	7
	<hr/>				
TOTAL	107	105	104	113	91

\*\*\* No damage to San Francisco Fire Department Vehicle.

## Summary of Disability Injuries

The following is a list of injuries sustained by members of the Department during the Fiscal Year 1980-1981, and indicates where the injury occurred, the part of the body injured, the nature of the injury, what the injured person was doing when the accident occurred, how the injury occurred, and also injuries associated with false alarms.

### Where Injury Occurred

1. Fires .....	407
2. Other Emergencies .....	102
3. Stations or Department property .....	146
4. Not on Department property (drills, etc.)...	37
5. Inspection work (any property) .....	12
6. Emergency vehicular movement .....	9
7. Non-Emergency vehicular movement .....	1
8. Routine duties (Auxiliary Services) .....	12
9. Not otherwise classified .....	5
	<u>931</u>

### Part or Parts of Body Injured

1. Eye .....	38
2. Head .....	30
3. Neck (except respiratory system) .....	31
4. Shoulder .....	45
5. Arm .....	19
6. Elbow .....	29
7. Wrist .....	21
8. Hand .....	132
9. Back .....	142
10. Leg .....	30
11. Knee .....	75
12. Ankle .....	46
13. Foot .....	33
14. Trunk .....	39
15. Respiratory system .....	45
16. Chest pains .....	14
17. Not otherwise classified .....	26



### Nature of Injury

1. Burns except eyes, including chemical burns ....	33
2. Burns, eyes .....	3
3. Foreign body in eye or eye irritation .....	32
4. Strains-sprains .....	302
5. Bruises and contusions .....	123
6. Hernias .....	3
7. Lacerations .....	74
8. Punctures .....	19
9. Dislocations .....	3
10. Fractures and suspected fractures .....	31
11. Respiratory system (including smoke inhalation .	44
12. Dermatitis (skin disorder) .....	10
13. Cardio-vascular .....	16
14. Not otherwise classified .....	38

### What Injured Person Was Doing When Accident Occurred

1. Handling hose .....	155
2. Handling ladders .....	33
3. Handling axes .....	14
4. Handling ceiling hooks .....	13
5. Handling Gleeson valves .....	6
6. Handling salvage covers .....	0
7. Handling other tools and equipment .....	73
8. Handling other objects .....	42
9. Ventilating .....	19
10. Overhauling .....	36
11. Rescue work .....	25
12. Locating fire .....	38
13. Directing operations .....	31
14. Controlling refrigeration break .....	3
15. Servicing or operating apparatus .....	23
16. Inspection work .....	5
17. Involved in Vehicular collision .....	4
18. Getting on or off apparatus .....	70
19. Ascending or descending .....	39
20. Sliding down pole .....	6
21. Exercising .....	8
22. Performing duties allied to cooking .....	19
23. Not otherwise classified (specify) .....	68

### How Injury Occurred

1. Struck against .....	94
2. Stepped on .....	19
3. Struck by .....	100

4. Caught in, on, or between .....	22
5. Tripped, slipped, or fell .....	197
6. Lifting or moving .....	127
7. Overexertion .....	43
8. Wetting .....	7
9. Exposure to temperature extremes .....	15
10. Inhalation .....	24
11. Irritation .....	17
12. Absorption .....	14
13. Contact with electrically charged objects .....	1
14. Contact with heated objects (includes heated water)...	10
15. Grasped .....	11
16. Explosions .....	0
17. Backdrafts .....	0
18. Not otherwise classified .....	62

### Lost Work Day Injuries

#### Two-Year Comparisons

During Fiscal Year 1980-81, there were 614 Lost Work Day (LWD) injuries and there were 10,594 Lost Work Days for the 614 reported injuries. A breakdown according to company or unit classification includes the following Lost Work Day Injuries and Lost Work Days

	<u>Injuries</u>		<u>Lost Work Days</u>	
	<u>1979-80</u>	<u>&amp; 1980-81</u>	<u>1979-80</u>	<u>&amp; 1980-81</u>
Engine Companies	411	349	8983	5208
Truck Companies	254	198	5834	3211
Rescue Companies	19	17	541	506
Divisions 1, 2 & 3	13	11	857	702
All Battalions	39	36	859	819
Fireboat Company	0	5	92	148
	<u>736</u>	<u>614</u>	<u>17166</u>	<u>10594</u>

Lost Work Days Per Injury - 1979-80 - 24.54  
Lost Work Days Per Injury - 1980-81 - 17.25

There was a substantial decrease in the number of lost work day injuries, lost work days, and lost work days per injury. This was attributable to the department's new Limited Duty Program. Under this program, members not able to perform fire suppression duty are placed in a limited duty status while convalescing from their on-duty injuries. They are assigned to administrative duties until they are able to return to the fire suppression force.

# DISCIPLINARY ACTION

<u>Class.Name</u>	<u>Action</u>	<u>Date</u>	<u>Rule Violation</u>
Utility Plumber Francis Gojny	1 day Suspension	8-14-80	Section 3925 - Tardiness-Failure to Report
Firefighter Stanley Sadler	1 day Suspension	9-22-80	Section 3925 - Tardiness-Failure to Report
Firefighter Billy Garrett	10 day Suspension	10-5-80 10-14-80	Section 3919-Use of obscene language; Section 3922-Disobedi- ence; Section 3923- Insubordination
Captain John Pender	5 day Suspension	10-16-80 10-20-80	Section 3913-Use of Intoxicants
Firefighter Curtis Givens	4 day Suspension	11-15-80 11-16-80 and 11-19-80 11-20-80	Section 3925 - Tardiness - Failure to Report; Section 3947- Residence, Telephone and other changes
Chief's Aide John Hildermann	1 day Suspension	12-1-80	Section 3925 - Tardiness-Failure to Report
Battalion Chief James Anderson	70 day Suspension	2-13-81 4-23-81	Section 2802-Respon- sibility for enforcing all Rules, etc.
Captain John Norton	60 day Suspension	2-13-81 4-13-81	Section 2802-Respon- sibility for enforcing all Rules, etc.
Lieutenant Richard Elb	70 day Suspension	2-16-81 4-26-81	Section 2802-Respon- sibility for enforcing all Rules, etc.
Firefighter John Rubin	4 day Suspension	2-25-81 2-26-81 and 3-1-81 3-2-81	Section 3925-Tardiness; Failure to Report; Section 3913-Use of Intoxicants
Lieutenant (BFP) Norman Silva	2 day Suspension	3-18-81 3-19-81	Section 2103-Details; Section 2802 - all officers (responsibil- ities); Section 3935 - False Reports.

# DISCIPLINARY ACTION

<u>Class. Name</u>	<u>Action</u>	<u>Date</u>	<u>Rule Violation</u>
Inspector (BFP) Francis Cassidy	2 day Suspension	3-19-81 3-20-81	Section 2103 - Details; Section 3935-False Reports
Utility Plumber Phillip Session	3 day Suspension	3-25-81 3-27-81	Section 3925 - Tardiness-Failure to Report
Firefighter Stanley Sadler	3 day Suspension	4-14-81 4-15-81 4-17-81	Section 3925 - Tardiness-Failure to Report.
Firefighter James Fex	4 day Suspension	5-7-81 5-8-81 and 5-11-81 5-12-81	Section 3913 - Use of Intoxicants
T/Inspector Wayne Knutsen	10 day Suspension	5-27-81 6-5-81	Section 3925 - Tardiness-Failure to Report
Firefighter Adolph Oliver	1 day Suspension	5-17-81	Section 3925 - Tardiness-Failure to Report
Firefighter George Salomon	19 day Temporary Suspension	5-27-81 6-14-81	Charter Section 8.343 and Section 4003-c. (Suspension subject to rescission based on outcome of Penal Code charge)..
T/Inspector Wayne Knutsen	5 day Temporary Suspension	6-10-81 6-14-81	Section 3925 - Tardiness-Failure to Report. (Pending hearing before Fire Commission on submission of Formal Complaint)

## COMMUNICATIONS CENTER

The Communications Center serves as a Dispatch Center, Radio Communications and Information Center.

The Dispatch Center receives all incoming emergency telephone calls and box alarms. It evaluates each and determines the necessary apparatus and equipment for dispatch. More than 39,000 incidents were processed, more than 120,000 units were dispatched, and more than 500,000 phone calls were processed.

The Radio Center processed over 600,000 radio transmissions of various natures. Over 4,000 paging functions were initiated through the center including the Mayor's Paging System.

The Information Center serves as a source of information for field personnel and the public for dangerous chemicals and hazardous materials. The center is continually updating and expanding its resources.

The Communications Center, when notified by the Chief of Department of a pending suppression force staffing emergency, processed over 7,000 H2 Firefighters for possible required overtime work on their day off. Additionally, the center extracted 1,096 daily reports for headquarters plus 182 segments for monthly reports including monthly reports for the State Fire Marshal and the Arson Task Force.

## PERSONNEL CENTER

All areas of personnel administration are administered by the Personnel Center. These areas include maintenance of individual personnel records, vacation scheduling record keeping, constant monitoring of company strengths and assignment of personnel as required, the hiring of overtime as determined by the compilation of Division strength reports and the administration of all out-of-classification assignments on a daily basis.

The Personnel Control System for the Department, which has been in use since May 1, 1979, is still proving itself to be most efficient in handling roll call and manpower printouts for the Battalion and Division Chiefs.

### Personnel Center Statistics

Daily Details	- - - - -	6,053
W.D.O.'s Assigned	- - - - -	1,197
L.W.L.P. Assignments	- - - - -	4,310
U.F.O. Details	- - - - -	2,189
Teletype Messages Sent	- - - - -	1,252

## COMMAND AND CONTROL SYSTEM

The Command and Control System is comprised of two sub-systems, the Computer Assisted Dispatch (CAD) and the Management Information System (MIS).

The computer Assisted Dispatch System has been in service on a full time basis since November 8, 1976 and has proven to be highly successful and reliable.

Because of the redundant computer configuration and other redundancies throughout the system, down-time for Fiscal Year 1979-80 was but a fraction of one (1) percent.

Output reports are generated on both a regular and as-needed basis. Fire incident information is forwarded to the State Fire Marshal on a monthly basis in conjunction with the CFIRS program.

The original Command and Control System contract was modified on July 1, 1977 to provide for hardware and software improvements and to incorporate the Personnel Bureau into the Management Information System.

All of our personnel functions, with the exception of payroll activities, are done on a computer basis through our own system.

Future tasks include development of a scheduling and building history program for the Bureau of Fire Prevention, an inventory system of both vehicular and equipment for the Bureau of Equipment and a training record system for the Division of Training.

## PHOTO UNIT

The Photo Unit provides important service for the following: fire and arson investigation, fire prevention, fire college training, public relations, and administrative activities.

Firefighting strategy and training activities improved in recent years due to the opportunity for obtaining valuable fire ground photography of situations encountered.



# FIRE SUPPRESSION





## FIREFIGHTING AND RESCUE SERVICES

### Headquarters Chief Officers

<u>Division No. 1</u>	Station No. 13	530 Sansome Street
Battalion No. 1	Station No. 2	1340 Powell Street
Battalion No. 2	Station No. 36	109 Oak Street
Battalion No. 3	Station No. 8	36 Bluxome Street
<u>Division No. 2</u>	Station No. 5	1301 Turk Street
Battalion No. 4	Station No. 38	2150 Calif. Street
Battalion No. 5	Station No. 21	1443 Grove Street
Battalion No. 7	Station No. 31	441 - 12th Avenue
Battalion No. 8	Station No. 40	2155 - 18th Avenue
<u>Division No. 3</u>	Station No. 7	2300 Folsom Street
Battalion No. 6	Station No. 11	3880 - 26th Street
Battalion No. 9	Station No. 15	1000 Ocean Avenue
Battalion No. 10	Station No. 9	2245 Jerrold Avenue
<u>Division of Airports</u>	San Francisco International Airport Airport Rescue Company No. 1, No. 2 and No. 3	

### Department Buildings

The following is a list of the number of buildings that station the various units of the Department:

- 1 - Department Headquarters
- 41 - Company Stations
- 2 - Airport Company Stations
- 1 - Division of Training
- 1 - Communications Center
- 1 - Bureau of Equipment
- 1 - Pumping Station (High Pressure System)
- 1 - Reservoir Station (High Pressure System)
- 2 - Warehouses (Storage)
- 2 - De-activated Company Stations
- 1 - Pipe Yard Station (High Pressure System)

## FIREFIGHTING AND RESCUE SERVICES

This summary is the result of output reports generated by our Command and Control Computer System. Some categories are presented in broad detail for the sake of clarity and to give an indication of what general areas may be of concern. We have the capability within our computer system to extract information in much greater detail should the need arise to do an in-depth analysis of a particular aspect of the fire or incident activity problem.

### Recapitulation of Fire Department Response:

	<u>76-77</u>	<u>77-78</u>	<u>78-79</u>	<u>79-80</u>	<u>80-81</u>
Total Fires - - - - -	7,540	7,582	8,470	8,354	8,080
False Alarms - - - - -	9,034	9,869	11,908	13,211	12,558
Emergency Other than					
Fire - - - - -	12,946	15,627	17,065	17,931	18,561
(Resuscitations) - -	(856)	(1,563)	(2,235)	(2,219)	(2,231)
Total Alarms - - - - -	30,596	33,078	37,443	39,496	39,199
Major Alarms - - - - -	109	92	115	93	90

### Summary of Incidents by Type

#### Fires

Unknown Type Fire - - - - -	3
Building Fire - - - - -	2,816
Trees, Brush, Grass - - - - -	1,271
Vehicle Fire - - - - -	1,212
Refuse Fire - - - - -	2,527
Outside Structure - - - - -	122
Explosion - - - - -	10
Outside Spill/Leak Mobile Home Fire - - - - -	1
Other Fire - - - - -	118
TOTAL - - - - -	8,080

#### False Alarms

Malicious/Mischief - - - - -	11,305
Bomb Scare, No Bomb - - - - -	71
System Malfunction - - - - -	764
Unintentional - - - - -	418
TOTAL - - - - -	12,558

#### Emergency Other than Fire

#### Rescue Calls

Resuscitation-Positive - - - - -	1,734
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### Rescue Calls (cont.)

Resuscitation-Negative	- - - - -	497
First Aid	- - - - -	-4,694
Rescue/Extrication	- - - - -	130
Potential Jumper	- - - - -	36
Elevator/Escalator	- - - - -	334
Trapped in Auto	- - - - -	183
Cliff/Landslide	- - - - -	20
Aircraft Incident	- - - - -	5
Drowning	- - - - -	16
TOTAL	- - - - -	-7,649

### Overpressure

Steam Rupture	- - - - -	31
Air/Gas Rupture	- - - - -	17
Water Heater/Boiler	- - - - -	68
TOTAL	- - - - -	116

### Hazard Conditions

Washdown Blood	- - - - -	37
Washdown Gas/Oil etc	- - - - -	-1,810
Explosive Removed	- - - - -	10
Excessive Heat	- - - - -	170
Power Lines Down	- - - - -	122
Arc/Short Electric	- - - - -	451
Refrigeration Leak	- - - - -	75
Smell of Natural Gas	- - - - -	286
Building Collapse	- - - - -	7
Aircraft Alert	- - - - -	116
TOTAL	- - - - -	-3,084

### Good Intent Calls

Smoke Scare/Smell	- - - - -	-1,304
Wrong Location	- - - - -	15
Control Burn	- - - - -	40
Alarm Bell Ringing	- - - - -	-1,630
Recall/No Service	- - - - -	277
TOTAL	- - - - -	-3,266

### Service Calls

Cover a Window	- - - - -	315
Lock out/Lock in	- - - - -	761
Water Removal	- - - - -	734
Smoke/Odor Removal	- - - - -	86
Animal Rescue	- - - - -	31
Assist Police	- - - - -	167
Broken Hydrant	- - - - -	234
Boat Sinking	- - - - -	23
Loose Structure	- - - - -	75
Broken Sprinkler	- - - - -	91
TOTAL	- - - - -	2517

Other - - - - - 1,929

Fires - Source of Heat of Ignition

Heating Systems - - - - -	157
Cooking Equipment - - - - -	833
Air Conditioning Equipment - - - - -	29
Electrical Distribution Equipment - - - - -	334
Electrical Appliances - - - - -	143
Special Equipment - - - - -	273
Processing Equipment - - - - -	19
Service Equipment - - - - -	53
Smoking Material - - - - -	3,780
Other Objects - - - - -	2,270
Undetermined - - - - -	189

Fires - Type of Material Ignited

Gas - - - - -	55
Flammable Liquid - - - - -	704
Volatile Solid - - - - -	319
Chemical - Metal - Plastic - Paint - - - - -	113
Natural Product - - - - -	1,655
Fabric - Textile - Fur - - - - -	1,170
Material with Oil - - - - -	49
Other - - - - -	511
Undetermined - - - - -	180
Wood - Paper - - - - -	3,324

Fires - Number and by Property Class

Public Assembly	
Amusement-Fixed - - - - -	11
Amusement-Variable - - - - -	7
Churches - - - - -	6
Clubs - - - - -	5
Libraries, Courts - - - - -	14
Eating, Drinking - - - - -	108
Terminals, Station - - - - -	13
Theaters - - - - -	11
Educational	
School, Non-resident - - - - -	43
Business Schools - - - - -	7
Universities - - - - -	1
School, Residential - - - - -	2
Institutional	
Care of the Aged - - - - -	3
Care of the Young - - - - -	-

# Institutional (cont.)

Sick or Injured - - - - -	63
Physical Restraint - - - - -	5
Residential	
One & Two Family - - - - -	551
Apartments - - - - -	1473
Rooming House - - - - -	2
Hotel - - - - -	253
Motel - - - - -	6
Dormitory - - - - -	5
Other - - - - -	3
Store & Office	
Food, Beverage - - - - -	3
Textile, Clothing - - - - -	19
Household, Repair - - - - -	6
Specialty - - - - -	16
Recreation - - - - -	9
Professional - - - - -	18
Motor Vehicle - - - - -	14
General Item - - - - -	6
Offices - - - - -	58
Basic Industry	
Communications - - - - -	10
Utilities - - - - -	39
Agriculture - - - - -	2
Forestry - - - - -	2
Mineral Products - - - - -	1
Nucleonics - - - - -	-
Laboratories - - - - -	1
Manufacturing	
Food - - - - -	2
Beverage, Tobacco - - - - -	2
Textiles - - - - -	1
Wearing Apparel - - - - -	6
Wood, Paper - - - - -	27
Chemical - - - - -	2
Metal - - - - -	10
Vehicle - - - - -	4
Other - - - - -	7
Unclassified - - - - -	10
Storage	
Textile - - - - -	-
Food, Tobacco - - - - -	2
Petroleum, Alcohol - - - - -	-
Wood, Paper - - - - -	3

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Total	- - - - -	28,077
Actual Incident	- - - - -	24,631
Telephone/FALSE Alarm	- - - - -	3,446
Telephone - Percent Actual	- - - - -	88%
Telephone - Percent False	- - - - -	12%

Total	- - - - -	11,434
Actual Incident	- - - - -	2,358
Street Box/FALSE Alarm	- - - - -	9,076
Street Box - Percent Actual	- - - - -	21%
Street Box - Percent False	- - - - -	79%

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# SUMMARY OF FIRE FATALITY STATISTICS

	<u>1976-77</u>	<u>1977-78</u>	<u>1978-79</u>	<u>1979-80</u>	<u>1980-81</u>
Fatalities	41	31	34	12	28

<u>Where Deaths Occurred</u>	<u>1979-80</u>	<u>1980-81</u>
Apartments - - - - -	6	12
Dwellings - - - - -	3	8
Hotels - - - - -	2	3
Other - - - - -	1	5

## Fatalities by Age Group

Under 15 - - - - -	0	3
15 through 64 - - - - -	8	14
Over 64 - - - - -	4	11

## Fire Fatalities - Fire Causes

Smoking Materials - - - - -	10	10
Heating/Cooking - - - - -	1	4
Incendiary - - - - -	1	6
Other - - - - -	0	8

## Salvage Operations

Salvage operations start with the arrival of the Fire Department at the scene of a working fire and continue on as the last Department functions to be performed.

Salvage operations are responsible for the reduction of damage to property from causes other than fire, such as storms, broken water pipes and other water leaks.

Each Truck Company carries an assortment of roof and salvage covers totaling sixteen (16) covers, and each Engine Company carries two (2) salvage covers. One hundred and thirty covers are also carried on relief apparatus available on special call.

The following salvage operations were performed during the Fiscal Year 1980-1981.

Salvage and roof covers spread - - - - -	124
Covers removed at the conclusion of operations - - - - -	85
Fees received for rental of covers - - - - -	\$1794
Number of sprinkler heads replaced - - - - -	193

## Water Rescue and Firefighting Scuba Unit

Although firefighting is the primary function of the unit, it also responds to such incidents as Ocean Beach and bay rescue attempts, small craft emergencies, and to Coast Guard Rescue Service assist calls.

Hazardous chemicals are a major concern of everyone. With the aid of this unit, a major chemical disaster was prevented. The unit responded to fourth-alarm fire on Pier 70, in which the substructure was fully involved. There were sixteen divers in the water utilizing five hose lines under the pier structure where other units were unable to operate. This action by the unit prevented a large transformer full of PCB from falling into the bay.

This year the unit responded to many other water related rescues: people falling into the bay from piers, hikers falling into the bay from Land's End, children falling into reservoirs, and swimmers in peril at the ocean beach. Much of the rescue work was done in conjunction with the Coast Guard or National Park Service Rangers.

Service for the fiscal year consisted of the following operations:

Emergency Runs	- 54	Service Hours	- 58
Drills	- 11	Training Man Hours	- 415

## DIVISION OF AIRPORTS

### Organization

Division #4 - Airport is composed of a Division Headquarters and three (3) subordinate companies. Division Headquarters and Airport Companies #1 and #3 are located in Rescue Station #1. Airport Company #2 is located in Rescue Station #2. Division Training is in Division Headquarters and the Fire Prevention office is in the Airport Engineering Building.

The Division Chief, Fire Inspector, Training Officer, Assistant Training Officer, and Secretary work a five (5) day week, 0800 to 1700 hours, and are subject to recall in their off-duty status. All other personnel work the standard tour of duty for the San Francisco Fire Dept.

### Training

Division #4 training is conducted daily. Supervision is under the Division Chief and is conducted by the Division Training Officer and Company Officers. Guidelines for training are FAA Advisory Circulars, the National Fire Science Training Center, and applicable San Francisco Fire Department Training Manuals. Division #4 operates drills from a separate schedule of drills pertinent only to this Division. Evaluation and inspection of training is conducted by the FAA during the annual Airport Certification Inspection.



## Responsibilities

Division #4 is responsible for:

- 1) Aircraft Crash-Fire-Rescue (CFR) protection to the standards specified in Department of Transportation (DOT) Regulation Part 139 and to applicable Federal Aviation Administration (FAA) Advisory Circulars (AC).
- 2) Structural fire protection to appropriate local, state, and national codes.
- 3) Emergency first-aid and resuscitation.
- 4) Water rescue in waters adjacent to San Francisco Airport.
- 5) Fire Prevention and Investigation.
- 6) Training.
- 7) Administrative management.

## Certification

Division #4 has been certified by the DOT as meeting the requirements of Part 139 for Class 'E' Airports. This was confirmed during the annual inspection conducted by the Western Regional Office of the FAA in February, 1981.

## Company Structure

### Airport #1 Crash-Fire-Rescue

Mobile #37 - One officer & two firefighters - 4000 gallon CFR Unit  
Mobile #34 - Two firefighters - 3000 gallon CFR Unit  
Mobile #36 - One firefighter - boat, tanker, & scuba rescue

### Airport #2 Crash-Fire-Rescue

Mobile #39 - One officer & two firefighters - Rapid Intervention  
Vehicle - CFR Unit  
Mobile #35 - Two firefighters - 3000 gallon CFR Unit

### Airport #3 Structural

Mobile #45 - One officer & one firefighter - standard pumper  
Mobile #44 - Two firefighters - '75 Aerialscope  
Mobile #43 - Two firefighters (EMT's) - First-Aid Unit

## Equipment

A 1,500 GPM Low Profile pumper was put in service in July, 1981. The twin to Mobile #37 will be delivered in September, 1981, and a new Rapid Intervention Vehicle will be delivered in November, 1981.

## Emergency Alarms

Classification of alarms is: Alert #1, a potential aircraft accident or emergency, but aircraft is not expected to land for at least five (5) minutes; Alert #2, an accident or emergency in progress or imminent; and others are self-explanatory.

Alert #1	-	124	Fuel Spills	-	158
Alert #2	-	16	Code 10	-	60
Fire Alarms	-	601	Total Fire Alarms	-	1898
First-Aid	-	944	Total Service	-	2215 hours

## BUREAU OF TRAINING

During Fiscal Year 1980-1981, the Bureau of Training continued its function as the directional center of instruction for the Department.

Training during the year focused on the following:

1. Probationary Training
2. Instructional Sessions
3. Company Evaluations and Drills

### Probationary Training

Probationary training consists of a seven-week course. The course was conducted for one group of 30 probationary firefighters. The training covered a continuous period from 1/12/81 to 2/27/81, during which the entire training staff was utilized.

### Instructional Sessions

Instructional sessions involve direct training of personnel by Fire College staff officers or specialists from either the field or outside the department. These sessions included Hazardous Materials, Risk Analysis, CPR Certification, CPR Instructors Course, Team Building/Conflict Resolution, Elevators, Relief Chiefs' Aide Course, Hazards of Gas, Electricity & PCB, Physical Fitness, Muni Light Rail Vehicle Rescue Procedures, and Disaster Plan Briefing.

## Company Evaluations and Drills

Company evaluations and drills involve members performing a number of evolutions at the training center or companies performing as a team. The evolutions have been published in a Drill Manual which has been distributed to all stations. This concept of training places responsibility on the individual as well as the company officer. Written evaluations are made by Bureau of Training personnel and are posted to the individuals' records. Reports of poor performances are sent to company commanders and re-testing is scheduled.

## Battalion Operational Drills

Battalion operational drills involve participation of a District Chief, his Aide, three of his Engine companies and one or two of his Truck companies. A problem is presented to the group. The Battalion Chief then directs his companies in extinguishing the simulated fire and performing other necessary tasks. A Training Officer conducts a critique at which time the methods utilized in solving the fire problem are discussed and evaluated by the group.

Other training includes Fire Simulator Command training which involves Chiefs, Company Officers, and Chief's Aides dealing with fire ground problems, realistically simulated through the use of projectors and sound equipment. The purpose of these simulated fire situations is to help develop better communications, coordination and procedures during all stages of fire emergencies. The applications of the simulator is not limited, however, to fire extinguishment. It can be used to preplan fires in specific buildings, critique past fires and to indoctrinate probationary firefighters to our department's fire fighting strategy.

Additional responsibilities of the Bureau of Training include: Responding to greater alarm fires; compiling, up-dating, publishing and distributing the department's training manuals; assisting the Airport Division in their specialized training; aiding the Bureau of Equipment and Bureau of Engineering and Water Supplies in the testing of new equipment; budgeting, ordering, and dispensing protective clothing for the fire fighting forces; assisting in the licensing of department drivers; processing identification cards; planning, researching, testing and evaluating drill evolutions, training courses and the instructional needs of the department.

The Total Man Hours of training during Fiscal 1980-1981, involving all phases of training = 36,226.

## The Fire Auxiliary Reserve

The Fire Auxiliary Reserve is organized to augment the San Francisco Fire Department in times of natural disaster or hostile military action. It is under the supervision of the Bureau of Training.

The members of the Fire Auxiliary Reserve are a group of dedicated citizens whose services are volunteered to the City and County of San Francisco without remuneration.

They comprise a group of citizens specially trained by the Bureau of Training personnel. Training exercises are held weekly throughout the year. The Fire Auxiliary Reserves receive on-the-job training by observing at multiple alarm fires, and carrying out any orders received from the Chief of Department or Deputy Chiefs.

At present, the Fire Auxiliary Reserves are receiving training in the critical areas of Earthquake Preparedness and Heavy Rescue situations. They also receive training in the areas of First Aid and Cardio-Pulmonary Resuscitation. In the event of a natural disaster, the members will be utilized to assist in the safeguarding of the lives and property of the citizens of San Francisco.

Membership in the Fire Auxiliary Reserve is being expanded through recruitment of new members and encouraging past members to rejoin. Many young persons are being recruited with two goals in mind:

1. Form a nucleus of young people in the organization.
2. Train men for entrance examinations into the San Francisco or other fire departments. A Firefighter Class I program is being instituted to assist members. Women are also encouraged to join the Fire Auxiliary Reserves.

Membership in the Fire Auxiliary Reserve, June 30, 1981 .... 62

<u>ACTIVITIES</u>		<u>GREATER ALARMS RESPONDED TO</u>	
Training Exercises .....	54	Total .....	18
Total Attendance .....	944	Total Attendance .....	247
Man Hours - Training ...	3,188	Man Hours - Worked .....	381

## OFFICE OF EMERGENCY SERVICES

The San Francisco Fire Department works in cooperation with the Director, Office of Emergency Services, to develop plans and procedures for coordinated inter-agency and inter-jurisdictional fire and rescue response in extraordinary emergencies; participates in Emergency Planning Committee meetings, seminars and workshops; confers with federal, state and other emergency-oriented agencies; meets with other emergency services personnel of the City and County of San Francisco as necessary to establish and assist in the development and implementation of operations with appropriate emergency services elements.

The Fire Department representative to the OES:

1. Provides assistance to building owners and managers and the public in the development of plans for such extraordinary disasters as nuclear attack, major fires and earthquakes.
2. Provides assistance in the development of emergency plans for major public buildings tailored to the life safety and survival of the occupants in extraordinary emergency situations such as fire, bomb threat, earthquake and nuclear attack.
3. Assists in maintaining accountability and inspections of the survival supply stockpile for San Francisco which includes keeping files and records of emergency stocks and their locations including radiological instrumentation.

The Communications Center for the Fire Department, located at 1003 Turk, is the interim Emergency Operations Center for the Mayor and San Francisco Office of Emergency Services.

### MERITORIOUS COMMENDATIONS

In 1980-81 the Fire Commission accepted the recommendations of the Merit Advisory Board and the Chief of Department concerning acts of heroism performed by the following Department members during the period January 1, 1980 through June 30, 1980.

#### CLASS "B" AWARD

Firefighter Philip Leanio

#### CLASS "C" AWARDS

Captain George Politis  
Lieutenant Raymond Gunning  
Firefighter Raymond Dito  
Firefighter Jack Fitzpatrick

Firefighter Joseph Guttman  
Firefighter King Strong  
Firefighter Charles Vetrano

#### CLASS "D" AWARDS

Lieutenant John Calonico  
Lieutenant Reinhard Young  
Firefighter Ronald Barney

Firefighter Elbert Calkin  
Firefighter Robert Lopez

There was one unit citation, and eleven Letters of Commendation awarded to uniformed members during this period. Additionally four civilians received Certificates of Merit.



# FIRE PREVENTION





## FIRE PREVENTION

During the fiscal year of 1980-1981, the Bureau of Fire Prevention and Public Safety operated at a reduced level of manning, which has been temporarily alleviated by introduction of Like-Work/Like-Pay Inspectors.

Programs, such as Title 19 and Title 24, California Administration Code, are progressing into the area of complete abatement. This program involved bringing high-rise buildings into compliance with the State Fire Marshal's regulations for life safety in existing structures. Teams of Inspectors are working in conjunction with the City Attorney's Office to bring recalcitrant operators into compliance.

Night Public Assembly inspections are conducted on Thursday, Friday and Saturday evenings. On each such night, two Inspectors working in an overtime status, are on duty from 1800 hours to 0200 hours the following morning.

The Bureau is divided into 17 districts and under normal conditions, an Inspector is assigned to each district. Due to lack of personnel, most Inspectors covered two districts during this fiscal year. In April of 1981, a policy of hiring Like-Work/Like-Pay Inspectors from the H-2 and H-10 category was adopted. This has alleviated some of the manning shortage but is strictly a temporary arrangement.

Three Fire Protection Engineers were hired during this fiscal year, two of whom are still active. The third was assigned to Plan Checking, and has since resigned for personal reasons. The Plan Checking complement at present, is one man in New Construction, and one man and one Like-Work/Like-Pay Inspector in Alterations. No Inspector is assigned to Property Conservation at present.

The operations of the Bureau of Fire Prevention for the fiscal year 1980-1981 are reported in statistical form as follows (Airport statistics are included):

### Inspections and Corrections

Total Number of New Inspections	- 12,660
Total Number of Reinspections	- 13,236
Total Number of Inspections	- 25,896
Total Number of Corrections	- 44,395

Of the total number of inspections listed above, 902 were special complaints from citizens regarding real or suspected fire hazards, and 88 were special investigations of structures involved in greater alarms of fire.

### Permit Processing

Fire Department Permits - There were 288 applications for Fire Department permits filed in this Bureau, and 244 permits were granted. Posting and filing fees collected totaled \$29,305.

Building Permits - There were 1,983 alteration plans of existing structures checked and processed by Fire Inspectors assigned to the Bureau of Building Inspection.

Over 584 building plans for new construction were plan-checked by the Fire Inspector assigned to the Bureau of Building Inspection.

### Occupancy Permits

Department of Public Health .....	541
Department of Public Works .....	102
Department of Social Services .....	103
Police Department .....	362
State Fire Marshal .....	526
Grand Total .....	1670

### Miscellaneous Reports and Communications

- (1) 337 reports from Battalion Chiefs were received concerning special building inspections and these reports were processed for investigation and abatement of violations.
- (2) 1,266 Notices of Code Violations were issued to obtain compliances with state and local safety codes.
- (3) Numerous meetings, special tests, inspections and Fire Prevention lectures were made and attended by the officers and members of the Bureau.

## Fire Prevention Corrections

Automatic Sprinkler Heads Installed/Replaced .....	303
Automatic Sprinkler Systems Installed/Repaired .....	746
Buildings Boarded Up .....	1
Buildings Razed .....	12
Egress, Additional Means Provided .....	128
Emergency Procedure Developed .....	158
Exit Doors Installed/Altered .....	440
Exit Obstructions Removed .....	217
Fire Alarm Systems Installed .....	6
Fire Alarm Pull Boxes/Bells Tested .....	12,089
Fire Doors, Door Closers, etc. Installed/Serviced/Tested..	285
Fire Escapes Installed/Repaired .....	42
Fire Escapes Obstructions Removed .....	24
Fire Extinguisher Systems Installed/Serviced .....	3,037
Flammable Gas & Liquid Storage .....	164
Hoses & Nozzles Installed/Removed .....	277
Metal Bins & Covers Provided .....	277
Miscellaneous Corrections Obtained .....	1,472
Miscellaneous Fire Hazards Removed .....	451
Smoke Detectors Installed/Serviced .....	19,377
Rubbish Conditions Removed .....	139
Signs & Lights, Installed/Replaced/Repaired .....	4,704
Stairways Installed/Enclosed/Repaired .....	25
Stairways Obstructions Removed .....	9
Standpipes Installed/Repaired/Altered .....	183
Total Corrections Obtained .....	44,395

## Hazardous Materials and Flammable Liquids

The program is managed by Fire Prevention Inspector Michael Patterson. It deals with the following:

1. Removal of hazardous and explosive substances from schools, hospitals, medical laboratories, industry and homes.
2. Identification inspection, upgrading and permit granting of/to those occupancies.
3. The manufacturing, using, processing, storing and transportation of hazardous materials within the city.
4. Storage and use of flammable liquids within the city.

A basic hazardous materials reference library is maintained. An effort is constantly being made to stay current with the hundreds of changes to Federal, State and Local government hazardous materials requirements.

### C.R.I.S.P.

The Commercial Residential Inspection Safety Program is administered by the Bureau of Fire Prevention. On-Site inspections are made by the Firefighting Forces (Suppression).

The C.R.I.S.P. inspection program is primarily designed for entry-level survey tasks of approximately 21,600 business/residential buildings. The Fire Companies enforce City Municipal Codes; issue Notices of Violations to owner/occupants; verify compliance during follow-up inspections.

The program has emerged, from one involved with selected Fire Companies and areas, to a city-wide expansion of inspections by all Fire Companies. Three special C.R.I.S.P. Task Force inspection programs were done in the Mission district, Tenderloin area and of Garment Shops, in addition to the normal annual C.R.I.S.P. inspection cycle.

In-service briefings are conducted by the C.R.I.S.P. director on a continuing basis for all the Fire Suppression personnel.

C.R.I.S.P. Progress totals to-date are:

	<u>Inspections</u>	<u>Entities</u>	<u>Violations</u>	<u>Corrections</u>
1977/78	977	1,386	188	153
1979/79	2,707	5,068	604	565
1979/80	4,024	7,453	1,175	928
1980/81	5,606	4,802	827	570

During the fiscal year of 1980-1981, the High Rise Inspector conducted five thousand seven hundred and eighty inspections of existing high rise buildings, pursuant to the enforcement of recently adopted regulations in Section 17.33 of Title 19, California Administrative Code. Also in this regard, he attended one hundred and sixty two meetings.

## FIRE PREVENTION EDUCATION

The Bureau of Fire Prevention and Public Safety greatly expanded its efforts in the area of Public Education during the fiscal year 1980-1981.

The electronic media has been a constant source of educating the public in the many facets of fire safety; almost monthly, Public Service Announcements are mailed to the radio stations in the Bay Area. KGO-TV sponsored a joint project with the Fire Department which dispersed over 300,000 Tot Finder stickers throughout the Bay Area. Public Educational lectures have reached over 100,000 men, women and children in San Francisco.

The success of the San Francisco Fire Department's Public Education programs can be read in the many letters of thanks which are received by the Chief and the Commission; further recognition on a State and National level have led to numerous speaking engagements throughout the United States, and appointments to many committees which deal with Public Education.

This Department's Annual Fire Prevention Day and Open House once again proved to be extremely successful, thanks to the work of the Chiefs, Officers, Aides and members of the Fire College and Station 7. Over 10,000 people attended this year's program.

### Child Firesetter Counseling Program

The Child Firesetter Counseling Program screened and counseled 80 children during its first year of operation.

The program, which is aimed at reducing firesetting tendencies among children, has been refunded by the new presidential administration. Due to the program's wide national applicability, private funding has been granted to produce a manual, detailing the program. The manual on the Child Firesetter Program will be used to help get the San Francisco approach started across the country.

### "Learn Not to Burn"

During the first year of "Learn Not to Burn", over 300 San Francisco Unified School District teachers received the "Learn Not to Burn" Workshop. Approximately 15,000 students at the 2nd, 5th and 7th Grade levels, received materials and instructions from this privately funded program.

Program Coordinator, Pam McLaughlin and Workshop Coordinator, Norma Sweeney were invited to speak at the United States Fire Administration's 6th Annual National Conference. They discussed their successful efforts to institute the program on a city-wide basis.

#### DEPUTY FIRE MARSHAL - SAN FRANCISCO PORT AUTHORITY

The basic function of the Deputy Fire Marshal is to maintain an active, functional Fire Prevention program which includes inspecting, regulating and controlling quantities and storage of hazardous cargo, inspecting the job-site and issuing welding, burning and fumigation permits, enforcing the Fire Code, and abating violations and reviewing plans for alterations and/or new construction to ensure compliance with applicable codes and regulations.

The Deputy Fire Marshal functions as liaison officer between the Fire Department, the Port Commission, ship owners, repair companies and transit companies, in matters of Fire Prevention, Fire Suppression and related conditions.

Approximately thirty three (33) welding and burning permits are issued to contractors on a monthly basis for utility and general maintenance purposes. Additional permits and certificates are issued that require on-site inspections. A total of 409 permits were issued during the fiscal year.

#### DEPUTY FIRE MARSHAL - AIRPORT

The Deputy Fire Marshal - Airport, reviews all construction plans that are submitted by private contractors and the San Francisco International Airport Engineering and Maintenance Division. He further inspects all buildings in various stages of construction to ascertain that all Federal, State and County codes relating to fire protection are followed.

The Deputy Fire Marshal is also responsible for inspections of existing buildings to insure that tenants maintain authorized fire protection systems and safety procedures.

The Airport modernization and replacement program, although somewhat decelerated in recent months, is again progressing towards its goals of providing a modern, safer and more functional airport facility. Further activities are listed below in more detail.

## Fire Prevention and Investigation

Plan Checking - New Construction .....	168
Plan Checking - Alterations .....	105
Total Number of Plan Checks .....	273
Welding & Burning Permits .....	91
Fire Prevention Classes Instructed .....	16
Fuel Spills Investigated .....	41
Fuel Tank Trucks Inspected .....	48
Emergency Night Calls .....	8
Fire Marshal Meetings Attended .....	53
Airport Administration Meetings Attended .....	74
Underground Fuel Tanks Inspected .....	5
Buildings Inspected .....	168
Buildings Re-inspected .....	166
Total Number of Buildings Inspected .....	334
Night Inspections .....	22
Fire Extinguishers Issued or Exchanged .....	292
Hazardous Materials Disposals .....	14









# FIRE INVESTIGATION



## BUREAU OF FIRE INVESTIGATION

The personnel of the Bureau of Fire Investigation consists of one Lieutenant and ten Investigators. They respond to all fires of suspicious and incendiary origin, fires where the cause is unknown, and to any other incident to which the Incident Commander may summon them. Response is automatic in areas and/or locations that are possible arson target hazards. They also respond to all greater alarms, fires where an explosion or bombing has occurred, and to any fire where a citizen is seriously injured or dies as a result of the fire. Criminal investigation, stakeout, and surveillance operations are a significant part of their operations.

During Fiscal Year 1980-81 there was a marked reduction of incendiary fires; from 540 to 487. This was the third consecutive year in which a decrease has taken place.

During Fiscal Year 1980-81, special and greater alarm investigations totaled 845. This resulted in identifying 487 incendiary fires.

All members of the Bureau of Fire Investigation have completed the Peace Officer Standards Training Course 832 to comply with the California Penal Code, Section 830.3m relative to the powers of arrest. Most members have also completed the "Advanced Police Officer's Training Program", which is given at the San Francisco Police Academy.

As of this year, all members of the Bureau of Fire Investigation have the permission and right to carry weapons and restraining equipment.

Several members of the Bureau of Fire Investigation attended the Fire/Arson Detection Course at the National Fire Academy in Emmitsburg, Maryland, in June, 1981. It is anticipated that all members will soon have completed these Federally funded courses.

### Field Activities

#### 1. Investigations of Fires

Special Investigations - - - - -	760
Follow-up Investigations - - - - -	1,740
Incendiary Origins - - - - -	487
Greater Alarms - - - - -	90
Undetermined Origins - - - - -	7
Burn Cases - - - - -	43
Deaths - - - - -	28

#### 2. Special Complaints Referred from the Bureau of Fire Prevention - - - - - 23

Follow-up Investigations - - - - -	16
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## Office Activities

Four-thousand seven-hundred ninety-six dollars (\$4,796) was collected and deposited in the General Fund for the processing and sale of copies of fire reports to insurance companies and other interested parties.

## ARSON TASK FORCE

Arson, the nation's most costly crime of violence, increased nearly 800% from 1963 to 1977 in San Francisco. To combat this escalating crime, the San Francisco Arson Task Force was officially established in the fall of 1977 by the Mayor's office, bringing together the resources of the San Francisco Fire Department, the San Francisco Police Department, and the District Attorney of San Francisco into a coordinated attack team.

The private sector, led by Fireman's Fund and Aetna Insurance Companies, lent expertise as well as financial support to this all-out war on arson. Two private sector committees were established; the related Industries Committee, mainly representing the Insurance Industry; and the Community Support Committee that provides liaison with various business, labor and community groups. In March of this year, a two-day arson investigation seminar entitled "An Anatomy of Arson" was presented at the Presidio of San Francisco through the coordinated efforts of the several segments of the San Francisco Arson Task Force.

This highly successful seminar brought together for the first time over 250 representatives from the Insurance Industry, Fire Service and the fields of Law Enforcement and Criminal Prosecution to dissect the crime of arson.

The LEAA grant to the San Francisco Arson Task Force, scheduled to expire on June 30, 1981, has been extended through September 30, 1981. A request is pending to further extend this grant until December 31, 1981. These extensions will allow the completion of the "Arson Early Warning System", which, through public records research, pin-points properties and individuals that could be prone to economic arson. To date, 32 buildings have been identified as possible Economic Arson Target Hazards in San Francisco.

While arson continues to escalate nationwide, this deadly crime has been reduced 10% this past fiscal year in San Francisco, and the arrest and conviction rate is over three times the national average. This can be attributed to the many public awareness and education programs such as the Juvenile Firesetter Treatment Program and the Learn Not to Burn Program; increased training resulting in better investigations; and the coordinated "hands-on" approach to combatting arson afforded by the Task Force concept.

The reduced number of arson fires occurring in San Francisco, (down from 540 in Fiscal Year 1979-80 to 487 in Fiscal Year 1980-81) when compared to the escalating national arson phenomenon is impressive, but much remains to be done. There is no acceptable arson crime rate for San Francisco--the cost in human life, suffering, and dollar loss is too great to accept for San Franciscans. During the past twelve months in this city, arsonists murdered six citizens and a veteran firefighter, and inflicted painful and sometimes disfiguring injuries on scores of others. In addition, the price tag on this wanton destruction ran in the millions.

The goal of the San Francisco Arson Task Force is to eliminate the crime of arson in San Francisco. The strategic objectives for the ensuing fiscal year include increased emphasis on community awareness programs, in-service investigative training geared to key suppression personnel, and advanced "state of the art" investigative training for the arson investigators and police inspectors that make up the "hands-on" Arson Attack Team.

Arson Task Force Prosecution Section  
Law Enforcement and Prosecution Division

Arrest Cases Referred for Prosecution

Number charged with arson, a felony - - - - -	54
Number charged with misdemeanor - - - - -	14
Number not charged at all - - - - -	9
Total Cases Referred for Prosecution- - - - -	<u>77</u>

Arson Cases Active During Period

Pending at beginning of period - - - - -	14
New cases accepted during period - - - - -	54
Total Active Cases - - - - -	<u>68</u>

Disposition of Cases During Period

Felony convictions with prison sentence - - - - -	10
Felony convictions with probation - - - - -	18
Misdemeanor convictions upon reduction of charges from felony - - - - -	13
State Hospital commitments - - - - -	1
Total Convictions/Commitments - - - - -	<u>42</u>
Acquittals - - - - -	0
Dismissals - - - - -	10
Total Completed Cases - - - - -	<u>52</u>





# SUPPORT SERVICES





## DIVISION OF SUPPORT SERVICES

The Division of Support Services was formed under the reorganization plan, commencing Fiscal Year 1980-1981. It encompasses:

1. Building and Grounds Maintenance
2. Bureau of Equipment
3. Bureau of Engineering & Water Supply

It adopts the functions formerly performed by the Division of Planning and Research, in addition to the Bureau of Equipment.

One new program was initiated when a new civilian employment was added to the Division. The title is Materials and Supplies Supervisor. The primary goal established for this employment is to establish and maintain an annual inventory of all departments' furniture and fixtures along with other duties.

### Fire Station Remodeling Program

This program was suspended for the duration of the Fiscal Year pending the outcome of studies conducted to evaluate the utilization of Fire Department resources including Fire Station location.

### Real Estate

Engine 27, located at 356-7th Street, was the subject of a jurisdictional transfer from the San Francisco Fire Department to the Department of Public Health.

### Station Maintenance

Upkeep of station and minor alterations were performed on a schedule based on assigned priority, and as were permitted by budgeted funds of the Bureau of Building Repair, Department of Public Works. In Fiscal Year 1980-1981, 974 building repair requests were processed by this Division.

### Improvement Bond Program

#### Fireboat Program

The Improvement Bond of November 1977 provided funds for the design and construction of a new fireboat. Plans and specifications for a new boat were prepared by Morris Guralnick Associates but as the cost estimate greatly exceeded the funds

## Improvement Bond Program

### Fireboat Program(Continued)

allocated it was decided not to procure a new boat, but instead to use the funds to refurbish the existing fireboat Phoenix. A design contract was signed with the firm of Noorgard and Clark and plans and specifications should be completed about September 1981.

### Auxiliary Water Supply Extension Program

The Improvement Bond of 1977 provided funds for the extension of the Auxiliary Water Supply System further into the western portion of the City as part of a Master Plan. During the Fiscal Year 1980-1981, work progressed on the extension on 19th Avenue from Irving Street to Ulloa Street. It is expected that this work will be completed about August 1, 1981.

### Automation of Ashbury Tank

The Improvement Bond of November 1977, provided funds for the design and installation of a system that will permit remote control of the manifold valves located in the Ashbury Tank facility of the Auxiliary Water Supply System. With this control system, the attendant at the Jones Street Tank will be able to open and close the manifold valves at the Ashbury Tank which connect the Twin Peaks Reservoir to the Upper Zone of the Auxiliary Water Supply System. Construction on this project is well along and should be completed about October 1, 1981.

### Fulton Street Drafting Hydrants

During the Fiscal Year 1980-1981, a total of 27 low pressure hydrants were installed along the south side of Fulton Street beginning at 22nd Avenue and terminating at 48th Avenue. Source of water for these hydrants is Stow Lake in Golden Gate Park. This project was financed by United States Government Economic Development Administration grant funds.

## BUREAU OF ENGINEERING AND WATER SUPPLY

This Bureau, under the direction of a Senior Mechanical Engineer (Water Supply Superintendent), is responsible for the engineering and maintenance of the Auxiliary Water Supply System (High Pressure System), the maintenance of the hydrants connected

## Bureau of Engineering and Water Supply(Cont.)

to the domestic water supply system, the maintenance of Fire Department cisterns, the maintenance of standpipes on public and private buildings and for day to day professional engineering assistance as needed by the Department.

During the past year, due to additions to the Auxiliary Water Supply System, changes in the city streets system and completion of Water Pollution Control Projects, 10 high pressure hydrants were added to the system. Currently there are 1,434 high pressure hydrants in service.

During this same period, 37 low pressure hydrants were installed, 3 permanently removed and 7 relocated. There are now 7,812 Fire Department hydrants and 265 private hydrants in service on the domestic supply.

There are 150 cisterns located throughout the City for emergency water supply; the majority of the cisterns contain 75,000 gallons of water each and are kept filled by Bureau of Engineering and Water Supply personnel.

Combination and dry standpipes on buildings are tested by the Bureau before acceptance and after alteration or repair and are periodically inspected. In the Fiscal Year 1980-81, 40 new standpipes were placed in service, 8 permanently removed and 2 repaired or altered. Records show that standpipes are installed in 2,708 buildings, each containing 1 or more standpipes.

The two High Pressure Pumping Stations are still operating with reduced personnel; Station No. 2 is fully manned at all times and Station No. 1 on a part time basis on the day shift only in order to periodically operate the equipment and provide for both routine and preventive maintenance work.

## BUREAU OF EQUIPMENT

The Bureau of Equipment is staffed with one officer and nine firefighters and is responsible for maintenance, lubrication and inspection of all apparatus of the Department. The Bureau is also responsible for procedures pertaining to care and operation of all apparatus and equipment of the Department.

For the Fiscal Year 1980-1981, the Bureau recorded more than 20,000 requests for equipment repairs, oxygen supplies, extinguisher exchanges and other tools and fittings for use in the Fire service. The Bureau is also responsible for the ordering of all fuel, both diesel and gasoline as well as ordering oil for the apparatus.

## Bureau of Equipment(Continued)

The Bureau, working with the Bureau of Training, has a continuous driver evaluation and operational program. With improvements in new equipment, checks are frequently made of driving habits of assigned drivers and relief drivers of Department apparatus.

Another responsibility of the Bureau is the annual Pump tests of Department apparatus, and along with the Bureau of Training, annual ladder tests. The Bureau also assists the High Pressure crews with tests on the high pressure mains, assists different Bureaus of the Department in special projects, evaluates suggestions from the Advisory board, and attends evaluations for pump operators and driving evaluations for surrounding departments as well as attending Oral Board meetings.

Also, the Bureau responds to all greater alarms, manning special equipment as ordered by the Incident Commander, investigates accidents to Department apparatus and orders the relieving of apparatus not suitable for response to alarms or incidents. It provides tow service for the Department as well as other agencies of the City as requested.

The Bureau is responsible for maintaining an accurate record of the hose which is dispersed throughout the department.

### Hose Complement June 30, 1981

	<u>3"</u>	<u>2-3/4"</u>	<u>1 1/2"</u>
10 Years or Less	87,400'	42,200'	59,350'
11 to 15 Years		12,000'	700'
Over 15 Years		<u>600'</u>	<u>1,000'</u>
	87,400'	54,800'	61,050'

Hose Complement Total Footage - 203,250 feet

The Fire Department strives to operate on a fifteen year replacement cycle for first line apparatus. The results of Proposition 13 are beginning to show a noticeable effect. The normal rate of purchase of pumper trucks is three per year. The last pumper purchased was during fiscal 1978-79. The normal rate of purchase of aerial ladder trucks is one per year. The last aerial purchased was during fiscal 1977-1978.

Due to the age and obsolescence of the first line apparatus now in service, the cost of repair and maintenance is steadily increasing.

Apparatus Status

	<u>In</u> <u>Service</u>	<u>In</u> <u>Reserve</u>
1,000 GPM Combination pumpers, Triple Combo - - -	0	13
1,000 GPM Combination pumpers, Triple, (Diesel) - -	0	1
1,000 GPM Combination pumpers, Triple, (C.D.) - - -	0	1
1,250 GPM Combination pumpers, Triple, (Diesel) - -	24	0
1,250 GPM Combination pumpers, Triple, - - - - -	9	3
1,500 GPM Combination pumpers, Triple, (Diesel) - -	10	0
50 GPM Combination Mini pumpers - - - - -	4	0
Aerial Ladders - 100 foot - (Diesel) - - - - -	15	1
Aerial Ladders - 100 foot - - - - -	4	6
Aerial Ladders - 92 foot - (Diesel) - - - - -	0	1
Aerial Ladders - 85 foot - (Diesel) - - - - -	0	1
Snorkel - 85 foot - (Diesel) - - - - -	1	0
Air Compressor - - - - -	0	1
Automobiles - Chiefs' - - - - -	15	5
Automobiles - Staff - - - - -	34	3
Mini Buses - - - - -	2	0
Coffee Unit - - - - -	0	1
Fireboat - - - - -	1	0
Foam Unit - - - - -	0	1
Diesel Fuel Unit - - - - -	0	1
Gasoline Fuel Unit - - - - -	0	1
Attack Hose Tenders - - - - -	3	0
Hose Tenders - - - - -	0	3
Hydrant Trucks - - - - -	8	0
Hydrant Trucks, (Valve Units) - - - - -	14	0
Pipe Dolly, (C.D.) - - - - -	0	1
Pipe Trailer Unit, (C.D.) - - - - -	0	1
Portable Compressor, 2-wheel Unit Trailer - - - -	2	0
Rescue Trucks - - - - -	2	1
Cliff Rescue Truck - - - - -	1	0
Salvage Trucks - - - - -	0	2
Utility Unit - - - - -	0	1
Pollution Control Unit - - - - -	0	1
Searchlight Engine - - - - -	1	0
Service Squads - - - - -	2	0
Tow Truck - - - - -	1	0
Tractors, Aerial (Relief) - - - - -	0	0
Trucks, Delivery - - - - -	2	1
Valve Unit - - - - -	1	0
Water Rescue Unit - - - - -	0	1
Crane Truck - - - - -	1	0





# COMMITTEE REPORTS





## COMMITTEE REPORTS

### Fire Department Advisory Board

The San Francisco Fire Department Advisory Board is now in its twenty-fifth year. It is made up of members representing each rank in the Department. The Board solicits and receives suggestions concerning all phases of Department operations and meets monthly to evaluate each one.

The Board serves as the Department's agency to research, or forward to the proper technical authority, those suggestions that merit investigation. Those suggestions deemed able to fill a need or assist in the operation of the Department are forwarded for implementation.

### Airport Committee:

The Airport Committee reviews practices and procedures for handling various emergencies at San Francisco International Airport. Simulated emergencies, called "RED CAPS", are held twice each month, unannounced, and they are analyzed and critiqued by the Division Staff.

Modernized equipment was purchased during the past fiscal year for delivery in late 1981. A new 4,000 gallon Oshkosh water/foam unit, and a new 1,500 gallon dual-agent Rapid Intervention Vehicle will provide a modern Crash-Fire-Rescue attack capability. Delivery of eight new 1-hour positive pressure Bio-Marine breathing apparatus was accomplished in the fiscal year. Trans World Air Lines donated a Boeing 707 to the Airport to be used for tactical training in Crash-Fire-Rescue procedures and other aircraft-type emergencies. The use of Halon 1201 for jet engine fires was accomplished during the fiscal year. Halon greatly reduces the cost of engine repairs by avoiding the residue problems of dry chemical type extinguishing agents.

### Bart/Muni Committee

The Bart/Muni Committee continued to meet with Transit Officials, as well as with the numerous Fire Departments along the BART right-of-way.

We are continuing to follow the progress of the BART communications people in attempting to improve radio communications in the Underground System. Currently Gage-Babcock Associates are conducting a survey of the entire BART system for fire safety. This has resulted in the delay of several requested improvements. At the present time we are attempting to insure that Gage-Babcock meets with each Fire Department as well as with BART personnel.

The MUNI Fiscal Year ended with the last of the streetcar lines (J line) switching from surface operation to the Underground in the Downtown area. Currently the Underground is utilized Monday thru Friday, with surface operations on weekends. We have received excellent cooperation from the MUNI staff, and this year we have seen the installation of a water supply to all Undercar Sprinklers on the MUNI level,

### Bart/Muni Committee (Continued)

a dedicated Fire Phone on each Station Platform as well as the installation of a new Radio System, that will enable us to utilize our portable radios throughout the MUNI Underground, to be completed in the very near future.

We will continue to work with each of these Transit Lines to insure that the Public is properly protected.

### Disaster - Civil Disturbance Committee

An amended and approved Disaster Operations Plan has been adopted by the San Francisco Fire Department. The main focus is on department operations during an extreme emergency (disaster) when the recall of department personnel is required. The recall plan involves use of public and private air, land, and water facilities to expedite the return to duty of firefighters living outside the City of San Francisco. This disaster plan is continually being updated to meet current emergency operating conditions. It interfaces department operations with other city departments and agencies.

The Civil Disturbance Operations Plan is continually being updated to maintain a flexibility to conform to prevailing conditions. The main ingredient of the plan is the use of a Task Force response. A spin-off from this approach is permitted with the emphasis of on-site decisions and requests for men and equipment on an as-needed basis from field incident commanders. Coordination with other city agencies is stressed so as to gain the best performance under adverse conditions to attain the primary goal of giving the best fire and life safety protection to the people of San Francisco and department personnel in other than normal conditions.

### Fire Simulator Committee

Fire Simulator training has been on-going on a limited basis due to an updating of all pictures of buildings, plot plans of buildings and transparencies. Preparations are being made to include Fire Simulator training for high-rise incidents, BART, Muni-Metro tunnel, and hazardous materials incidents. A text on fireground operations for truck and engine companies is being formulated and will be used in conjunction with the Fire Simulator Training.

### Firefighters' Toy Program

The objective of the Toy Program is to collect usable toys and monetary contributions from the general community for the purchase of new toys, for distribution to underprivileged families at Christmas. The 1980 Toy Program gave presents to 5,134 children in 2,126 families.

The nucleus of the Toy Program is firefighters on their off-duty time, retired firefighters, and their relatives and friends. These people put in over 5,000 volunteer hours towards successful operation of this program.

## F.L.A.M.E.

The F.L.A.M.E. program completed another successful year by providing the best recreation program available to the youth of San Francisco.

The generous financial support of the members of the San Francisco Fire Department enabled F.L.A.M.E. to administer baseball, basketball and soccer programs for over three thousand participants.

Additionally F.L.A.M.E. continued its long association with Sunshine School for Orthopedically Handicapped Children.

## Hazardous Materials Training Committee

The committee has been involved in the following activities:

- 1) Attended numerous meetings with the Hazardous Materials Medical Response Team, to coordinate training and research.
- 2) Captain Grey conducted a course on orientation and identification of hazardous materials for Chief Officers. An "Emergency Response Guidebook" was given to all those in attendance.
- 3) Prepared a "Technical Assistance Guidebook" on hazardous materials incidents for the Communications Center.
- 4) Captain Grey is preparing a course for all company officers on hazardous materials where they are FIRST RESPONDERS.
- 5) A Hazardous Materials Van has been purchased and is being outfitted at the present time. Selected officers and units will be further trained to respond with this equipment.
- 6) The committee is in the process of preparing and coordinating contingency plans for hazardous materials incidents within the department and with outside agencies that may be called upon to assist.

## High-Rise, Elevator, Fire and Rescue Committees

High-rise firefighting strategy and tactics differ from those normally used in other structures. Elevators play a major role in forming this strategy and carrying out the tactics. During the past year, on weekends, companies have received orientation training in emergency operation of elevators in high-rise structures. Continuing into this year, on weekends, companies will be trained in simulated firefighting in high-rise buildings. Management of high-rise buildings are to be commended for cooperation in allowing this training. Participation and suggestions concerning high-rise methods, from officers and members are always welcome.

## Human Relations/Grievance Committee

Primary among the goals of the Human Relations/Grievance Committee is to receive and investigate grievances when they are minor problems, thus avoiding them from becoming major, uncontrollable problems for the administration.

All officers of the department have received a mandatory eight hour instructional course in Human Relations. The program is now being extended to include all other members of the department.

In this fiscal year the committee reviewed two grievances in which decisions and recommendations were made to the appointing officer.

A major portion of the committee's work was to revise the Human Relations/Grievance procedures. The revision reduced the cumbersomeness of the then existing procedures.

## Hunters Point Committee

Triple "A" Machine Shop, Inc. holds a master lease on two thirds of the Hunters Point Shipyard. Triple "A" has their own fire department; however, we have made a commitment to enter and combat fire, if human life is endangered, a major fire threatens other property, or if a Navy ship is involved.

Efforts were made throughout the year to meet with representatives of Triple "A" to insure a coordinated effort if an emergency should arise. We strive for cooperation from Triple "A" in our efforts, though it is not always forthcoming.

## Hydrant Committee

The Hydrant Committee is a standing committee ready to research or investigate any problem concerning hydrants. It works in conjunction with the Bureau of Engineering and Water Supply and the San Francisco Water Department.

## Labor Management Committee

The Labor Management Committee acts as a middle ground between the Fire Department Administration and the Firefighters' Union where mutual understanding could be developed if and when it is needed or requested. During the past fiscal year there were no requests for action by this committee.

## Management Information Systems Committee

The Management Information Systems Committee was conceived to explore utilization of coordinated methods to improve the overall management efficiency in our department. A study is being made which will attempt to use computer capability to better handle some of the day to day problems of Inventory changes, current supplies in company stations, and the accurate recordation and accounting for supplies distributed and required. Computerization has markedly simplified personnel balancing after morning roll call, with responsibility given largely to company officers in the stations. By allowing the company officer to initiate supply requests directly over the station computer console, a central inventory control can be established which will cover accounting, distribution, and control of daily supplies needed in stations. The system will speed distribution, save time by eliminating much paper handling, and give an instantly retrievable copy from inventory control. The committee visualizes a computerized Building Inspection information program which will be applied to CRISP inspections, insuring currency of information, status of citations and abatements.

## OSHA Committee

The OSHA Committee reviews and screens all announcements and documents received from the California Occupational Safety and Health Standards Board for any impact or action required by the fire department. Members of the OSHA Committee attend meetings of the Occupational Safety and Health Standards Board that may be pertinent to the operation of the Fire Department and report any changes or proposed changes to the Chief of Department.

## Personnel Control System Committee

Now in its second year of operation, the use of department computers for personnel accounting and manpower balance has been very successful. Prompt redistribution of personnel to needed areas is accomplished and routine record keeping is simplified.

## Physical Fitness Committee

Numerous meetings between members of the Physical Fitness Committee have been held. These involved discussions of the problems associated with inaugurating the Physical Fitness Program. Chief Casper's request for funding was granted. Liability problems were resolved. Thereafter, the program was activated.

As a prelude to the physical conditioning aspect of the program 101 firefighters were carefully evaluated as to 1) cardiovascular condition, 2) strength and coordination, 3) body weight in relation to percentage of body fat, and 4) blood cholesterol levels. An additional 57 firefighters were placed in the control group.

The firefighters in the exercise group have been participating in the health and fitness program for ten weeks. Three chiefs are also participating in the program. Two injuries have been reported from participants.



## Physical Fitness Committee (Continued)

Four firefighters, demonstrated abnormal electro-cardiograms during the bicycle exercise testing. These persons were referred to cardiologists for further evaluation.

Over a period of three years all of the members of the department will have been physically evaluated and brought into the program. Thereafter, follow-up evaluations are to be done on each individual every three years.

## Radio Committee

The new San Francisco Fire Department Radio System, which began with hardware installation in October of 1979, was completed in February 1981.

The installation of an underground radio communications system which would provide the department with full range radio capability in Muni-Metro subway, was started in May of 1980 with completion scheduled for late summer 1981.

During 1980-1981, vehicles assigned to the Bureau of Fire Prevention were equipped with new mobile radios and this program will continue until the entire vehicle fleet is outfitted.

The Radio Committee is in the process of writing a Communications Manual which is scheduled for completion in the Fall of 1981.

## Rules and Procedure Guide Committee

The Rule Book Committee submitted a completely revised draft copy of the Rules and Procedure Guide on May 29, 1981.

All pertinent General Orders, approved Rule changes and Civil Service changes have been incorporated. Article headings have been revised to include the new San Francisco Fire Department Organization Structure.

A sample format recommending specific paragraph spacings and numbers and letters for sub-listings has been submitted.

Numerous draft copies of the Rules and Procedure Guide have been distributed for review by Divisions and Battalions for comment after which a final copy will be presented to the Fire Commission and Chief of Department for approval.

## ST. FRANCIS HOOK & LADDER SOCIETY AND PIONEER MEMORIAL MUSEUM

The St. Francis Hook & Ladder Society is a non-profit California corporation empowered to accept on behalf of the Fire Commission, gifts to the Pioneer Memorial Museum. If the gifts are monetary in nature, the Society expends such gifts for the preservation, restoration and maintenance of apparatus, artifacts and memorabilia in the Museum's collection.

Through the Society, volunteers provided by the City Guides keep the Museum open at regular hours: Thursday through Sunday, from 1 PM to 4 PM. Total attendance for the Fiscal Year at the Museum was 7,106. Included in this figure were people all over the world, scholars seeking further information in fire history, and San Francisco school groups on field trips.

Early in the year, Mayor Dianne Feinstein placed the St. Francis Hook & Ladder Society in charge of the celebration of the diamond jubilee anniversary of the San Francisco 1906 Fire and Earthquake. The "75 YEARS AFTER" civic celebration and Firefighters' Muster was attended by seventy-eight fire departments and over one-thousand competitors who displayed and operated antique apparatus in competition on April 17th, 18th, and 19th, 1981. Other events, also attended by numerous citizens, were the '06 Survivors' Meeting at Lotta's Fountain, the Gold Hydrant Painting at 20th and Church Streets and the traditional Firefighters' Ball in the rotunda of City Hall.

The preparation for the "75 YEARS AFTER", the event itself, and the regular business of the Society and the Museum entailed a donation of time by members of the Society in excess of 7,000 hours.

### Task Analysis Committee

The Task Analysis for Engine Companies has been printed and is scheduled for distribution in July, 1981. This will enable program managers to measure Engine Company performance against established standards in accordance with the FIRM System reporting requirements. Task Analysis for Truck Companies is in the planning stages.





# In Memoriam

Captain - In Line of Duty

Herbert M. Osuna

July 31, 1980

Firefighter - Active

Joseph O'Brien

October 31, 1980

Richard Cappa

April 17, 1981



I will pass this way but once  
If there's any good that I can do  
Let me do it now  
For I'll never pass this way again.  
I will see this day but once  
If there's any kindness I can show  
Let me show it now  
For I'll never see this day again.  
Tomorrow may be too late my friend  
To do all the good that you planned  
So reach out for those who need you  
And lend them a helping hand.  
I will know this world but once  
If there's any love that I can give  
Oh Lord - - - please show me how  
For I'll never know this world  
I'll never see this day  
I'll never pass this way again!

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